90th SEAC-3 Meeting Day 01

SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for Proposed Expansion of Commercial Project

Is a Violation Case: No

1.Name of Project	ABIL PROMENADE
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nikhil Gokhale
4.Name of Consultant	Mr. Rajesh Srivastava - Pollution and Ecology Control Services (PECS)
5.Type of project	Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, EC - SEAC-2009/Anuttam/CR.1475/TC.1 dated 22/06/2010 and revalidated vide No. SEIAA-2019/CR-48/SEIAA dated 12/03/2019
8.Location of the project	S. No. 37, H. No. 4/2, Ghorpadi, Pune
9.Taluka	Haveli
10.Village	Koregaon, Pune
Correspondence Name:	Mr. Nikhil Gokhale
Room Number:	-
Floor:	2nd Floor
Building Name:	ABIL House
Road/Street Name:	Ganesh Khind Road
Locality:	Range Hills Corner,
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 132173.73
13.Note on the initiated work (If applicable)	Construction of Block A having 3 Basement, Ground & 3 Upper Floors & Block B having 3 Basement, Ground & 2 Upper floors is completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	24500
16.Deductions	656.34
17.Net Plot area	23843.66
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 51152.37
	b) Non FSI area (sq. m.): 81021.36
	c) Total BUA area (sq. m.): 132173.73
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 51152.37
	Approved Non FSI area (sq. m.): 81021.36
	Date of Approval: 31-03-2019
19.Total ground coverage (m2)	7070.19
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	30%
21.Estimated cost of the project	5000000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block A	3 Basement+Ground+3 Floors	24.70
2	Block B	3 Basement+Ground+2Floors	18.70
3	Block C	3 Basement+Ground+15 Floors	69.70

23.Number of tenants and shops	Mall, Multiplex & Office
24.Number of expected residents / users	12844 Nos
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 Mtr
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 Mtr
29.Existing structure (s) if any	Bloack A & B Completed
30.Details of the demolition with disposal (If applicable)	No

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	274
	Recycled water - Flushing (CMD):	206
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	754
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	166
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	274
	Recycled water - Flushing (CMD):	206
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	744
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	176
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per Hydro geo Report
	Size and no of RWH tank(s) and Quantity:	2 nos , Size - 7.5M X 4.5M X 3 M
	Location of the RWH tank(s):	As shown on plan
	Quantity of recharge pits:	5 Nos
	Size of recharge pits :	2X2X2 Mtr
	Budgetary allocation (Capital cost) :	5 Lacks
	Budgetary allocation (O & M cost) :	0.25 Lacks/Year
	Details of UGT tanks if any :	RAW WATER TANK 206 CMD DOMESTIC TANK 411 CMD
35.Storm water drainage	**Natural water drainage pattern:**	Towords South to North
	Quantity of storm water:	180 m3/day
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	425
	STP technology:	MBBR
	Capacity of STP (CMD):	460 KLD
	Location & area of the STP:	As shown on plan
	Budgetary allocation (Capital cost):	50 Lacks
	Budgetary allocation (O & M cost):	12 Lacks/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 Kg/Day
	Disposal of the construction waste debris:	Will be used for base course preparation.
Waste generation in the operation Phase:	**Dry waste:**	1284 Kg/Day
	Wet waste:	683 Kg/Day
	Hazardous waste:	N.A
	Biomedical waste (If applicable):	N.A
	STP Sludge (Dry sludge):	30 Kg/Day
	Others if any:	E Waste of Approx 500Kg/Year

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Mode of Disposal of waste:	**Dry waste:**	Handed over to Authorized Agency
	Wet waste:	In-situ Composting
	Hazardous waste:	N.A
	Biomedical waste (If applicable):	N.A
	STP Sludge (Dry sludge):	Will be used as Manure for Gardening
	Others if any:	E Waste will be Handed over to Authorized Agency
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	Shown on Plan
	Area for machinery:	Shown on Plan
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16 Lacks
	O & M cost:	2.5 Lacks/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	2389.39 Sqm
	No of trees to be cut :	NIL
	Number of trees to be planted :	130 Nos
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	Already Planted

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NEEM	Azadirachta Indica	8	FRAGRANT FLOWERS OR LEAVES, PLANT FOR POOJA/EVERGREEN, QUICK GROVING/INSECT REPELLENT
2	BAHAVA	Cassia Fistula	7	AUSPICIOUS, ATTRACTS BIRDS/BEES/BUTTERFILES, HANGING OR WEEPING GROWTH
3	KADAMB	Neolamarckia Cadamba	9	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BUTTERFLIES/BEES, QUICK GROVING/CREATES SHADE
4	MANGO	Mangifera Indica	12	FRUIT PLANT, FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES
5	TAMAN	Lagerstromia Speciosa	9	CREATES SHADE, ATTRACTS BIRDS/BUTTERFLIES/BEES, GOOD FOR SCREENING
6	PIVALA CHAFA	Michelia Champaka	7	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, EVERGREEN TREE
7	RAKT KANCHAN	Bauhinia Pururea	8	FRAGRANT FLOWERS OR LEAVES, PLANT FOR POOJA, EVERGREEN TREE
8	JAMUN	Syzygium Cumini	12	FRUIT PLANT, FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES
9	CHAFA	Plumeria ALba	3	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, QUICK GROVING/FOR POOJA
10	BUCH	Millingtonia Hortensis	11	FRAGRANT FLOWERS OR LEAVES, PLANT FOR POOJA, EVERGREEN TREE
11	SHIRISH	Albizia Lebbeck	12	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, DROUGHT TOLERANT

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12	INDIAN BEECH TREE	Pongamia Pinnata	8	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES, DROUGHT TOLERANT
13	JACKFRUIT	Artocarpus Heterophyllus	6	FRUIT PLANT, FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BUTTERFLIES/BEES
14	BAKUL	Mimusops Elengi	10	FRAGRANT FLOWERS OR LEAVES, ATTRACTS BIRDS/BEES, EVERGREEN TREE/CREATES SHADE
15	BEL	Aegle Marmelos	8	FRUIT PLANT/MEDICINAL PLANT, FRAGRANT FLOWERS OR LEAVES, PLANT FOR PUJA OR PRAYER FLOWER OR LEAVES
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	NIL
	During Operation phase (Connected load):	9320 kW
	During Operation phase (Demand load):	5657 KW
	Transformer:	1 Nos 1600kVA, 3 Nos 2500kVA
	DG set as Power back-up during operation phase:	4X1500kVA, 1X650kVA,1X750kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	1)Use of LED Light fixture instead of CFL light fixture. 2)Use of 60% of solar street light fittings with LED light fixture. 3) Use of VFD drives for Lift motors. 4) Use of Energy Efficient Motors for Plumbing & Fire Load. 5)Use of Timer for Street & Landscape Lighting.	22.85%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	52.37 Lacks
	O & M cost:	0.52 Lacks/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & for labour	Water Requirement	2.5
2	Site Sanitation & Safety	Health & Safety	15
3	Environmental Monitoring	Pollution Monitoring & Control	6
4	Disinfection	Health & Safety	4
5	Health Check-Up	Health & Safety	3
6	Safety and PPE safety personal protective equipment	Health & Safety	3
7	Safety Nets & Barrication	Health & Safety	8

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	5.00	0.25
2	Sewage Treatment Plant	Waste Water Management	50.00	12.00
3	Organic Waste Composting	Solid Waste Management	16.00	2.50
4	Tree Plantation	Landscape Development	5.00	3.00
5	Energy Saving	Energy Conservation	52.37	0.52
6	Environmental Monitoring	Pollution Control	0.00	6.00

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	0
Parking details:	**Number and area of basement:**	3 Basement 54681.21 Sqm
	Number and area of podia:	NA
	Total Parking area:	52829.38 Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	3923
	Number of 4-Wheelers as approved by competent authority:	1382
	Public Transport:	The site is well connected to the public transport infrastructure.
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B
	Court cases pending if any	No
	Other Relevant Informations	HVAC Make -up Water (Cum) 264 CMD

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 24500 m2, FSI area of 51152.37 m2, Non FSI area of 81021.36 m2 and total BUA of 132173.73 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 88th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for Application for Environmental Clearance for proposed Residential project at Village Balewadi, Taluka Haveli, District Pune by Xrbia Developers Ltd.

Is a Violation Case: No

1.Name of Project	Environment Clearance for proposed Residential project at Village Balewadi, Taluka Haveli, District Pune by Xrbia Developers Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Xrbia Developers Ltd. Mr. Veer Bharati Kouls (Authorized Signatory)
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd. Thane
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 45, H. No. 2 (P), 3 (P), 4/1 (P), 4/2/2 (P), 4/2/1 (P), 10 (P), 11 (P), 12 (P), 13 (P), 45/14/1
9.Taluka	Haveli
10.Village	Balewadi
Correspondence Name:	Xrbia Developers Ltd. 929, Mantri House, 1st floor, FC road, Pune-411004
Room Number:	929
Floor:	1st floor
Building Name:	Mantri House
Road/Street Name:	FC road
Locality:	Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	IOD received from Pune Municipal Corporation, IOD no. is CC/2718/18 dated 01.12.2018.
	IOD/IOA/Concession/Plan Approval Number: CC/2718/18 dated 01.12.2018.
	Approved Built-up Area: 37343
13.Note on the initiated work (If applicable)	No work has been initiated as it is a new project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	13,871 m2
16.Deductions	0 m2
17.Net Plot area	13,871 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 37,343 m2
	b) Non FSI area (sq. m.): 27,122 m2
	c) Total BUA area (sq. m.): 64465
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 38,146 m2
	Approved Non FSI area (sq. m.): 27,122 m2
	Date of Approval: 01-12-2018
19.Total ground coverage (m2)	4,601 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	33% of total net plot area
21.Estimated cost of the project	1160000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	B wing	Basement parking floor + Ground parking floor+ Podium floor + 16 Floor	53.10 m
2	C wing	Basement parking floor+ Ground parking floor+ Podium floor + 5 Floor	21.75 m
3	D wing	Basement parking floor+ Ground parking floor+ Podium floor + 16 Floor	53.10 m

23.Number of tenants and shops	Total number of tenements - 816 nos.
24.Number of expected residents / users	Residential Population-3,914 nos.
25.Tenant density per hectare	588/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Internal road - 6 m Turning radius - 9 m
29.Existing structure (s) if any	Temporary labour camp is present at the site.
30.Details of the demolition with disposal (If applicable)	Present labour camp will be dismantled & waste will be reused on the other site.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal corporation
	Fresh water (CMD):	352
	Recycled water - Flushing (CMD):	176
	Recycled water - Gardening (CMD):	16
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	528
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	241
Wet season:	**Source of water**	Pune Municipal corporation
	Fresh water (CMD):	352
	Recycled water - Flushing (CMD):	176
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	528
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	75
	Excess treated water	249
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground Water Table: Summer Season – 18 m to 26 m BGL (Average 22 m BGL) Rainy Season – 7 m to 11 m BGL (Average 9 m BGL) Winter Season – 13 m to 18 m BGL (Average 15 m BGL)
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	3 nos. of recharge pits
	Size of recharge pits :	2 m X 2 m X 2 m Depth
	Budgetary allocation (Capital cost) :	Rs. 4 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1 Lacs/year
	Details of UGT tanks if any :	Domestic UG tank capacity: 352 m3 Flushing UG tank capacity: 176 m3 Fire UGT tank capacity: 200 m3
35.Storm water drainage	**Natural water drainage pattern:**	Along with road side nalla
	Quantity of storm water:	9 m3/ min
	Size of SWD:	300 to 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	449 m3/day
	STP technology:	Moving Bed Biofilm reactor (MBBR)
	Capacity of STP (CMD):	1 no. x 496 m3/day (As per PMC NOC)
	Location & area of the STP:	STP Area - 300 m2 Location – North East of the project site & open to the sky
	Budgetary allocation (Capital cost):	Rs. 40 Lacs
	Budgetary allocation (O & M cost):	Rs. 14 Lacs /year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	49,600 m3
	Disposal of the construction waste debris:	Will be used for levelling & backfilling work at site
Waste generation in the operation Phase:	**Dry waste:**	640 kg/day
	Wet waste:	1,174 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	40 kg/day
	Others if any:	137 kg/day inert waste will be generated & 6 kg/day E-Waste will be generated.

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling and purpose
	Wet waste:	Through Organic Waste Convertor. Generated manure will be used for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	Inert waste & E-waste will be handed over to authorized Vendor.
Area requirement:	**Location(s):**	North West of the project site at ground level open to sky
	Area for the storage of waste & other material:	150 m2
	Area for machinery:	26 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.18 Lacs
	O & M cost:	Rs.2 Lacs/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	2,034 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	175 nos. will be proposed trees & 7 nos. are existing trees
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months after completion of Civil Works.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizzia Lebbek	Shirish	18	Shady tree with yellowish green fragrant flowers
2	Azadirachta Indica	Neem/ Kadunimb	22	Hardy, drought resistant & Medicinal tree
3	Emblica Officinalis	Amala/ Awala	10	Medicinal Tree
4	Michelia Champaka	Piwala Chapha	23	Butterfly host plant
5	Mimusops Elengi	Bakul	12	Small, fast growing tree with fragrant flowers
6	Mutingia Calabura	Cherry	15	Fruit attracts birds and butterflies
7	Pongamia Pinnata	Karanj	14	Shade-giving tree, Soil erosion arrestor
8	Pterospermum Acerifolium	Muchkund	19	Quick growing Tree
9	Putranjiva Roxburghii	Putranjiva	13	Medicinal Tree
10	Saraca Indica	Sita Ashok	19	Shade-giving tree
11	Syzgium Cumini	Jamun/ Jambhul	10	Shady tree, Fruits attract birds and butterflies
12	Total	-	175	-
13	Existing Trees	-	-	-
14	Vachellia nilotica	Kateri babhul	1	-
15	Azadirachta Indica	Kadunimb	3	-
16	Acacia Nilotica	Babhul	2	-
17	Leucaena Leucocephala	Subabhul	1	-
18	Total	-	7	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

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Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	1 nos. x 125 kVA
	During Operation phase (Connected load):	2,336 kVA
	During Operation phase (Demand load):	1,825 kVA
	Transformer:	3 nos. x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 320 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Solar PV panel, Solar water heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saved per day due to LED lights	2%
2	Energy saved per day due to VFD & APFC in Lifts & VFD in pumps	2%
3	Energy saved per day due to Solar Water Heaters	11%
4	Energy saved per day due to Solar PV	1%
5	Overall energy saving for the project	16%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.60 Lacs
	O & M cost:	Rs.6 Lacs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air water Environment	Water for dust suppression	2
2	Site sanitation &Health Safety	Sanitation Disinfection, Safety Net, Noise Barrier	7

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3	Environmental Monitoring	Ambient air, drinking water, noise and soil testing on monthly basis.	3
4	Disinfection	Cleaning and maintaining the site	1
5	Health Check up	Monthly health checkup at site and medicines.	2
6	Total	-	15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	1 no. of STP having capacity of 496 m3/day	40	14
2	Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC (1no.)	18	2
3	Landscape & Irrigation Development	175 nos. of trees to be planted. Developed and maintained landscape area is 2,104 m2	20	2
4	Environmental Monitoring	Monitoring and analysis of Air, Water, Noise, Soil, surface water, STP treated water etc.	MoEF approved laboratory	5
5	Energy Conservation	Solar street lighting	60	6
6	Rain Water Harvesting	3 nos. of recharge pits of Size of recharge pits: 2 m x 2 m x 2 m	4	1
7	Laying of storm & Sever line up to final disposal point	Storm water channel will connect up to nalla line	40	3
8	Total	-	182	33

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	1 no. of the junction
Parking details:	**Number and area of basement:**	1 no. of basement having total area 7,770 m2
	Number and area of podia:	1 nos. of podium having area 8,040 m2.
	Total Parking area:	29,546 m2
	Area per car:	Open parking 25 m2/car; covered parking 30 m2/car, Basement parking 35 m2/car
	Area per car:	Open parking 25 m2/car; covered parking 30 m2/car, Basement parking 35 m2/car
	Number of 2-Wheelers as approved by competent authority:	2,088 Nos.
	Number of 4-Wheelers as approved by competent authority:	578 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) B2 Category
	Court cases pending if any	NA
	Other Relevant Informations	We have submitted the project to SEIAA through MoEF web portal with proposal no. SIA/MH/NCP/89301/2018.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-12-2020

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.

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Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 13,871 m2, FSI area of 37,343 m2, Non FSI area of 27,122 m2 and total BUA of 64465 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP submitted circular of Pune Municipal Corporation of Pune Municipal Corporation dt. 12.06.2019 which specifies the way of debris management. PP to ensure that the prescribed process is followed and consent letter for PMC is obtained for use of debris by PMC for their road construction.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

1) PP submitted circular of Pune Municipal Corporation of Pune Municipal Corporation dt. 12.06.2019 which specifies the way of debris management. PP to ensure that the prescribed process is followed and consent letter for PMC is obtained for use of debris by PMC for their road construction.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for Proposed commercial Building -Gagan Arbor Court at S. No. 81 / 22,23 Mundhwa, Tal Haveli, Pune by Gagan Habitats LLP.

Is a Violation Case: No

1.Name of Project	Proposed commercial Building -Gagan Arbor Court at S. No. 81 / 22,23 Mundhwa, Tal Haveli, Pune by Gagan Habitats LLP.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rahul Garg
4.Name of Consultant	VK: e environmental
5.Type of project	New Commercial Development
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 81 / 22,23 Mundhwa
9.Taluka	Haveli
10.Village	Mundhwa
Correspondence Name:	Mr. Rahul Garg
Room Number:	4
Floor:	4th
Building Name:	Arth Vishwa
Road/Street Name:	Final Plot No. 353, Lane No. 5
Locality:	Koregaon Park
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: Under Process
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	5000 Sq.m
16.Deductions	1090.58 Sq.m
17.Net Plot area	3909.42 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12067.79
	b) Non FSI area (sq. m.): 13577.92
	c) Total BUA area (sq. m.): 25645
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 11-04-2019
19.Total ground coverage (m2)	2198
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	56.22
21.Estimated cost of the project	490000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Commercial Building	3B+G+Mezz+6	29.20

23.Number of tenants and shops	Shops 11 Offices 44
24.Number of expected residents / users	Commercial Users 1727 People
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing structure on site will be demolished during construction phase.
30.Details of the demolition with disposal (If applicable)	Existing structure on site will be demolished during construction phase.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	25
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	95 including AC cooling water 40 kld
	Fire fighting - Underground water tank(CMD):	2*100 kld
	Fire fighting - Overhead water tank(CMD):	20 kld
	Excess treated water	00

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Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	25
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	89 including AC cooling water 40 kld
	Fire fighting - Underground water tank(CMD):	2*100 kld
	Fire fighting - Overhead water tank(CMD):	20 kld
	Excess treated water	00
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Around 15 m bgl.
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2
	Size of recharge pits :	4m*3.5m*4m
	Budgetary allocation (Capital cost) :	Rs. 14,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 1,50,000/-
	Details of UGT tanks if any :	• Fire tanks : 2*100 Kld • Raw water tank/Rainwater tank: 2*50 Kld. • Treated Water tank: 2* 35 Kld.

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35.Storm water drainage	**Natural water drainage pattern:**	Proper storm water drainage system is proposed. Excess storm water will be discharged into existing municipal storm water drainage line
	Quantity of storm water:	96 m3/year
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	45
	STP technology:	MBBR
	Capacity of STP (CMD):	50
	Location & area of the STP:	On Ground, area 59 sq m
	Budgetary allocation (Capital cost):	Rs.22,50,000/-
	Budgetary allocation (O & M cost):	Rs.6,20,000/-

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	The waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling.
Waste generation in the operation Phase:	**Dry waste:**	259 kg/day
	Wet waste:	173 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	7.5 Kg/day
	Others if any:	e-Waste 4.7 kg/day
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be treated in onsite OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	E-waste wll be handed over to authorized recyclers
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	8
	Area for machinery:	24
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 11,25,000/-
	O & M cost:	Rs. 2,51,010/-

37.Effluent Charecterestics

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	390.9 Sq.m
	No of trees to be cut :	Out of total 64 trees, 20 trees will be cut
	Number of trees to be planted :	244
	List of proposed native trees :	Given Below
	Timeline for completion of plantation :	Till Completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Polyathia longifolia	Ashoka	13	Large Evergreen Tree. Effective in decreasing noise Pollution.

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2	Azadirachta indica	Neem	12	A medium to large size hardy tree which stand in drought condition. Air Purifying quality. Attain a much larger size in dry regions.
3	Mangifera indica	Mango	15	Large evergreen and fruit bearing tree.
4	Pongamia pinnata	Karanj	16	Large tree good for stopping soil erosion.
5	Albizia lebbeck	Shirish	30	Shady, Large tree, ball shapes flowers.
6	Caryota urens	Fish tail Palm	30	Fast Growing palm, used for beautification.
7	Ficus benjamina	Weeping Fig	43	Medium sized evergreen tree with elegant appearance and moderate water requirement.
8	Acrus sapota	Chickoo	24	Fruit Bearing Tree
9	Psidium gujava	Peru	10	Fruit Bearing Tree, attracts birds
10	Syzygium cumini	Jambhul	15	A large size treewith dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds.
11	Areca catechu	Supari	16	Fruit bearing tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 kW
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	1850 Kw
	During Operation phase (Demand load):	960 kW
	Transformer:	2 *750 kVA
	DG set as Power back-up during operation phase:	2 *750 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

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Total Energy Saving : i.e. (14.7% Savings) /year
Energy saving due to solar :i.e. (4% Savings)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lamp & Fitting For Common Areas i.e. Bldg. Parking, Staircase, Passage & Terrace Floor.	93.6 KWH
2	Bollard Lighter - Light Fitting For Landscape Area.	24 KWH
3	Recesses Wall Light. - Light Fitting For Landscape Area.	24 KWH
4	Solar Street Light Fitting - Pole Light On Road Side.	36 KWH
5	Street Light on the Bldg.	36 KWH

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30,00,000/-
	O & M cost:	Rs. 4,00,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	Rs. 3,50,000/-
2	Land	Labour Camp toilets & sanitation	Rs. 4,80,000/-
3	Health and Safety	Labour Safety Equipments and training	Rs. 4,00,000/-
4	Health and Safety facility	Disinfection and Health Check-ups	Rs. 51,000/-
5	Environment Management	Environmental Monitoring cell	Rs. 1,70,000/-
6	Environment	Environmental Monitoring	Rs. 1,85,600/-

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	22.5	6.2
2	Solid Waste Management	1 OWC	11.25	2.51
3	Landscaping	Landscape Development	20	2
4	Energy Saving	Solar PV	30	4
5	Rain Water Harvesting	2 Pits	14	1.5

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6	Environmental Monitoring	-	-	1.85
7	Lightning Arrester	Lightning Arrester	8.35	0.8

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Mundhwa. Site is accessible from 30 m wide DP road.
Parking details:	**Number and area of basement:**	3 Level Basements.
	Number and area of podia:	NA
	Total Parking area:	10251.84
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	731
	Number of 4-Wheelers as approved by competent authority:	286
	Public Transport:	NA
	Width of all Internal roads (m):	6.0 m wide internal road is provided and 9.0 m. turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project

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	Court cases pending if any	Not Applicable
	Other Relevant Informations	Proposed project consists of commercial building having 43 offices and 12 shops.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

SEAC-AGENDA-0000000291

PP submitted their application for prior Environmental clearance for total plot area of 5000 m2, FSI area of 12067.79 m2, Non FSI area of 13577.92 m2 and total BUA of 25645 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 87th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000291

SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for Environment Clearance for proposed IT development

Is a Violation Case: No

1.Name of Project	Proposed IT Development
2.Type of institution	Private
3.Name of Project Proponent	Panchshil Realty And Developers Pvt. Ltd.
4.Name of Consultant	Enviro Resources NABET Certificate No: NABET/EIA/1821/IA0038
5.Type of project	IT Development
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No.60/5
9.Taluka	Haveli
10.Village	Kharadi
Correspondence Name:	Mr.Anand Sanghavi
Room Number:	0
Floor:	4th Floor
Building Name:	Tech Park One
Road/Street Name:	--
Locality:	191 Yerwada
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	--
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	49337.5
16.Deductions	25841.69
17.Net Plot area	23495.81
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 70478.10
	b) Non FSI area (sq. m.): 58926.33
	c) Total BUA area (sq. m.): 129404.43
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Nil
	Approved Non FSI area (sq. m.): Nil
	Date of Approval: 01-01-1910
19.Total ground coverage (m2)	7615.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32%
21.Estimated cost of the project	3000000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	Basement 2+Basement 1+P1+Ground+10+TERRACE	44.37
2	Building 2	Basement 2+Basement 1+P1+Ground+10+TERRACE	44.37

23.Number of tenants and shops	Offices: 21
24.Number of expected residents / users	Users:10018
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	Not Any
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	306
	Recycled water - Flushing (CMD):	207
	Recycled water - Gardening (CMD):	35
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	548
	Fire fighting - Underground water tank(CMD):	300 CMD per Tower
	Fire fighting - Overhead water tank(CMD):	20 CMD per Tower
	Excess treated water	245
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	306
	Recycled water - Flushing (CMD):	207
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	513
	Fire fighting - Underground water tank(CMD):	300 CMD per Tower
	Fire fighting - Overhead water tank(CMD):	20 CMD per Tower
	Excess treated water	280
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per the Hydrogeology survey Report
	Size and no of RWH tank(s) and Quantity:	Not Any
	Location of the RWH tank(s):	As per the storm water layout.
	Quantity of recharge pits:	7
	Size of recharge pits :	3.25 m x 3.25 m x 2.5 m
	Budgetary allocation (Capital cost) :	Rs.4.2 Lakhs/Annum
	Budgetary allocation (O & M cost) :	Rs.1.0 Lakhs/Annum
	Details of UGT tanks if any :	Firefighting-Underground water tank (CMD): 300 CMD per Tower
35.Storm water drainage	**Natural water drainage pattern:**	As per prevailing contour
	Quantity of storm water:	26.06 Cum/Min
	Size of SWD:	600mm DIA HUME PIPE
Sewage and Waste water	**Sewage generation in KLD:**	487
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of capacity 490 KLD
	Location & area of the STP:	As per the service layout
	Budgetary allocation (Capital cost):	Rs.65.0 Lakhs/Annum
	Budgetary allocation (O & M cost):	Rs.7.0 Lakhs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10 kg/day
	Disposal of the construction waste debris:	Excavated material will be used for back filling and leveling of the plot .
Waste generation in the operation Phase:	**Dry waste:**	1052 kg/day
	Wet waste:	451 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	73 Kg/Day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH
	Wet waste:	Wet waste will be treated in OWC & manure will be used for landscaping.
	Hazardous waste:	Will be handed over to authorized vendors
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure for landscaping.
	Others if any:	Will be handed over to authorised vendor.
Area requirement:	**Location(s):**	As per the service layout
	Area for the storage of waste & other material:	12 sqm
	Area for machinery:	20 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 12.75 Lakhs
	O & M cost:	Rs.0.06 Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	3 x 1500	HSD 289 litres/Hour	3	10	400	562
2	3 x 1250	HSD 217 litres/Hour	3	10	450	562

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	506 litres/Hour	506 litres/Hour
41.Source of Fuel		Authorized Vendor		

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42.Mode of Transportation of fuel to site	By road

43.Green Belt Development	**Total RG area :**	2349.58
	No of trees to be cut :	Not Any
	Number of trees to be planted :	293
	List of proposed native trees :	As Listed below
	Timeline for completion of plantation :	Till the time of Completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Asoca	Sita Ashok	20	It is an important tree in the cultural traditions of the Indian subcontinent having medicinal Importance.
2	Cassia fistula	Bahava	12	This is an ornamental plant having importance in herbal medicines.
3	Simarouba glauca	Laxmi Taru	16	Edible oils
4	Plumeria Alba	White frangipani	14	Ornamental Plant
5	Roystonea regia	Royal Palm	14	Ornamental Plant
6	Ailanthus excelsa	Maharikh	16	Deciduous medicinal tree
7	Azadirachta indica	Neem	24	Medicinal Importance
8	Caryota Urens	Fish Tail Palm	22	Ornamental Plant
9	Mimusops elengi	Bakul	16	Flowering bearing medium sized tree.
10	Barringtonia acutangula	Nevar	16	Evergreen and ornamental Tree
11	Lagerstroemia speciose	Taman	16	Flower bearing evergreen Tree
12	Bauhinia	Piwala Kanchan	16	Tree having medicinal and ornamental Importance
13	Erythrina variegata	Pangara	16	Medicinal Importance
14	Psidium guajava	Guava	26	Fruit bearing tree
15	Syzygium cumini	Jambhul	26	Fruit bearing tree
16	Pinnata Pongania	Karanj	26	Medicinal Use
17	Total	--	293	--
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	--	--	--

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	2 x 315 KVA
	During Operation phase (Connected load):	9677KW
	During Operation phase (Demand load):	5807 KW
	Transformer:	4X1250 KVA ;2X1600 KVA
	DG set as Power back-up during operation phase:	3x1500 KVA ;3x1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Any

48.Energy saving by non-conventional method:

Conventional T8 FTL with Magnetic Ballasts (2x36W). VS.
Energy Efficient T5 FTL with HF Electronic Ballasts (2x28W)
Conventional Transformer against Low loss Transformer

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Conventional T8 FTL with Magnetic Ballasts (2x36W). VS. Energy Efficient T5 FTL with HF Electronic Ballasts (2x28W)	40%
2	Conventional Transformer against Low loss Transformer	40%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Not applicable	490 CMD
OWC	Not applicable	500 kg/day
DG set	Not applicable	3x1500 KVA ; 3x1250 KVA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.150 Lakhs
	O & M cost:	Rs.1.5 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Environmental monitoring	PM10, PM2.5, SO2, NOx, CO, Equivalent noise level, Analysis of water for physical, chemical, biological parameters.	5.44
2	Air Environment	Water For Dust Suppression	6.00
3	Air Environment	Air & Noise monitoring	4.84
4	Water Environment	Tanker water for construction	0.96
5	Water Environment	Water monitoring	0.04
6	Land Environment	Site Sanitation	7.56
7	Land Environment	Gardening	4.00
8	Socio- Economic Environment	Disinfection- Pest Control	7.20
9	Socio- Economic Environment	First Aid Facilities	0.18
10	Socio- Economic Environment	Health Check Up	3.30
11	Socio- Economic Environment	Crèche for children	4.20
12	Socio- Economic Environment	Personal protective equipment	2.44
13	Total	--	46.16

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	--	12.74
2	Water	RWH	4.2	1.00
3	Water	STP	65.00	7.00
4	Solar	Solar PV Cells	150.00	1.5
5	Solar	Solar PV Cells	150.00	1.5
6	Land Environment	Gardening	42.00	4.00
7	Waste Management	Solid waste management	12.75	0.06

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

SEAC-AGENDA-000000291

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
Parking details:	**Number and area of basement:**	No. of Basements:2;Area of the Basements:33823.49 sqm
	Number and area of podia:	No. of Podia:1;Area of the Podia:17265.49 sqm
	Total Parking area:	25521 sqm
	Area per car:	12.50 sqm
	Area per car:	12.50 sqm
	Number of 2-Wheelers as approved by competent authority:	3384
	Number of 4-Wheelers as approved by competent authority:	1410
	Public Transport:	Bus
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not Any
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

SEAC-AGENDA-0000000291

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 49337.5 m2, FSI area of 70478.10 m2, Non FSI area of 58926.33 m2 and total BUA of 129404.43 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

SEAC-AGENDA-0000000291

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 87th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000291

SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for Environment Clearance for project by M/s Kasturi Developers

Is a Violation Case: No

1.Name of Project	Epitome
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajesh Bhange
4.Name of Consultant	M/s. JV Analytical Services
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Vide No. SEAC-III- 2014/C.R.59/TC-3 Dated 11.08.2016
8.Location of the project	S. No. 129 (P), Kala Khadak, Wakad, Pune
9.Taluka	Mulshi
10.Village	Wakad
Correspondence Name:	Mr. Bharat Agarwal
Room Number:	-
Floor:	2nd Floor
Building Name:	1st Adams Court
Road/Street Name:	Baner Road
Locality:	Opp Hotel Mahabaleshwar, Baner
City:	Pune- 411045
11.Whether in Corporation / Municipal / other area	PCMC
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P./ENVIRONMENT/WAKAD/06/2016
	Approved Built-up Area: 43338.69
13.Note on the initiated work (If applicable)	26254.79 m2 (As per EC received on 11.08.2016)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	13972.00 m2
16.Deductions	2139.23 m2
17.Net Plot area	11832.77 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21226.09 m2
	b) Non FSI area (sq. m.): 22112.60 m2
	c) Total BUA area (sq. m.): 43338.69
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 21226.09
	Approved Non FSI area (sq. m.): 22112.60
	Date of Approval: 02-07-2016
19.Total ground coverage (m2)	1547.90
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.07% of total plot area13972.00 m2 & 13.33% of net plot area 11832.77 m2
21.Estimated cost of the project	780000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B + P +17	54.40
2	Building B	B + P +17	54.40
3	Building C	B + P +17	54.40
4	Building D	B + P +21	67.20
5	Commercial Building	G+1	7.00

23.Number of tenants and shops	Total Tenements - 135 Nos. Commercial Shops : 5 Nos.
24.Number of expected residents / users	Residential Users: 675 Nos. Commercial Users: 63 Nos. Total User: 738 Nos.
25.Tenant density per hectare	80
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

SEAC-AGENDA-000000291

Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	125.53 m3/day
	Recycled water - Flushing (CMD):	32.57 m3/day
	Recycled water - Gardening (CMD):	22.47 m3/day
	Swimming pool make up (Cum):	1.41 m3/day
	Total Water Requirement (CMD) :	70.49 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	34.00 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	103.06 m3/day
	Recycled water - Flushing (CMD):	32.57 m3/day
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	1.41 m3/day
	Total Water Requirement (CMD) :	70.49 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	56.47 m3/day
Details of Swimming pool (If any)	Dimension of Swimming Pool: • Main Pool = 18.10 M x 6.10 M x 1.12 M Deep = 132.49 m3 • Kids pool= 3.00M x 4.95 M x 0.60 M Deep = 8.91 m3 Total water Requirement in KLD: -141.40 m3 Water requirement in KLD: 1.41 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Capital cost: Rs. 28.30 Lakh O & M Cost : Rs.2.70 Lakh/Year	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

SEAC-AGENDA-000000291

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post Monsoon: 6 to 8m below ground level Pre Monsoon : 15 to 25m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	5 Nos.
	Size of recharge pits :	2 m x 2 m x 1 m
	Budgetary allocation (Capital cost) :	Rs. 1.5 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakh/year
	Details of UGT tanks if any :	Domestic UG tank Capacity :92.11 m3 Flushing UG tank Capacity :82.74 m3 Fire UG tank Capacity :200 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	6076cum/annual
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	89.04 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	90.00 m3/day
	Location & area of the STP:	-
	Budgetary allocation (Capital cost):	Rs.15.50 Lakh
	Budgetary allocation (O & M cost):	Rs. 7.80 Lakh/ year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	144.45 Kg/Day
	Wet waste:	208.80 Kg/Day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	8.01 kg/day (100% dry)
	Others if any:	-

SEAC-AGENDA-0000000291

Mode of Disposal of waste:	**Dry waste:**	SWACH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure after treatment in OWC
	Others if any:	-
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	46 m2
	Area for machinery:	-
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.11.00 Lakh
	O & M cost:	Rs. 2.62 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	625 KVA- DG SET - 2 Nos.	HSD- 28.6 Gal/Hr	2	5 m	-	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	28.6 Gal/ Hour for 100%	28.6 Gal/ Hour for 100%
41.Source of Fuel		Bharat Petoleum Corporation limited /Hindustan Petroleum		
42.Mode of Transportation of fuel to site		by roadway		

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43.Green Belt Development	**Total RG area :**	1320.27 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	175 Nos
	List of proposed native trees :	-
	Timeline for completion of plantation :	Before Completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalus cadamba	Kadamb	16	Native, evergreen, gives shade, flowers, mythological value & wound healing medical use
2	Terminalia catappa	Badam	13	Fruits is edible tasting slightly, Herbal Medicine Use
3	Bauhinia purepurea	Kanchan	12	Native, attracts birds and insects, medicinal value
4	Plumeria alba	Champa	15	Native, evergreen, for beautiful fragrant flowers
5	Plumeria rubra	Laalchafa	19	Anti-oxidative & proteolytic activities medicine use & fragrant flowers
6	Callistemon viminalis	Weeping bottlebrush	19	Native, for shade, medicinal value, attracts birds & insects
7	Flcus benjamina	Weeping fig	14	Evergreen tree, non flowering, Native, can be pruned and given topiary effect
8	Cassia javanicca	Apple blossom cassia	14	The fruits (legumes) ripen in the fall.
9	Cordia sebestana	Geiger tree	11	an Ornamental plants, flowering plants
10	Putranjiva roxburghii	Putra- jiva	15	evergreen tree, Seed yields fatty oil used for burning, medicinal value
11	Areca catechu	Supari	15	Medicinal value, Ornamental plants
12	Roystonea	Royal plam	12	Medicinal value, Ornamental plants
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

SEAC-AGENDA-0000000691

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	65 KW
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	1714 KW
	During Operation phase (Demand load):	1184.09 KVA
	Transformer:	630 KVA x 2 Nos.
	DG set as Power back-up during operation phase:	625 KVA – 2 Nos.
	Fuel used:	28.6 Gal/ Hour for 100%
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Power Capacitors are proposed for load power factor correction and to maintain a healthy power situation. This also results in less demand load factor for the project.
• All lifts are proposed on VFD drives which results in 20% saving in power consumption and approximately 20% savings in energy consumption.
• Most of the common area lighting are proposed to work on high energy efficient lamps (LED) as specified in bureau of energy efficiency which again results in saving in general consumption.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Units Saved	20%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 90 Lakh/year
	O & M cost:	Rs. 5.5 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

SEAC-AGENDA-0000000291

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 Lakh/Year
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 Lakh/Year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 Lakh/Year
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00 Lakh/Year

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage treatement plant	15.50	7.80
2	RWH	Rain Water Harvesting	1.50	0.50
3	MSW	OWC	11.00	2.62
4	Solar Energy System	-	90.00	5.50
5	Landscaping	-	28.45	4.09
6	Swimming Pool	-	28.30	2.70
7	Safety Equipment	-	10.00	2.00
8	Post EC Monitoring	-	0.00	2.50
9	Dry Waste Management	-	0.00	0.81

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-

SEAC-AGENDA-0000000291

Parking details:	**Number and area of basement:**	5135.60 m2
	Number and area of podia:	-
	Total Parking area:	7729.61 m2
	Area per car:	52.22 m2
	Area per car:	52.22 m2
	Number of 2-Wheelers as approved by competent authority:	284
	Number of 4-Wheelers as approved by competent authority:	148
	Public Transport:	-
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-09-2017

SEAC AGENDA-000000291

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 13972.00 m2, FSI area of 21226.09 m2, Non FSI area of 22112.60 m2 and total BUA of 43338.69 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 89th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

1) .

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000291

SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for Government Medical College & Hospital Chandrapur, Construction of 100 Intake Medical college and 672 Bedded Hospital

Is a Violation Case: No

1.Name of Project	Government Medical College & Hospital Chandrapur
2.Type of institution	Government
3.Name of Project Proponent	Dr.S.S.More
4.Name of Consultant	SV Enviro Labs & consultants
5.Type of project	Construction of Medical College with built up area 132103 Sq.mts
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Chandrapur
9.Taluka	Chandrapur
10.Village	Chandrapur
Correspondence Name:	Sh.Binod Kumar
Room Number:	HSCC India Ltd
Floor:	E-6(A), Sector -1
Building Name:	HSCC India Ltd
Road/Street Name:	Sector 1
Locality:	Noida
City:	Noida
11.Whether in Corporation / Municipal / other area	Chandrapur City Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Chandrapur City Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: 0000
	Approved Built-up Area: 132103
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	404700
16.Deductions	NA
17.Net Plot area	404700
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 0.33
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 132103
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 0.33
	Approved Non FSI area (sq. m.):
	Date of Approval: 04-04-2019
19.Total ground coverage (m2)	404700
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	6146700000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	20	9	27

23.Number of tenants and shops	NA
24.Number of expected residents / users	15074
25.Tenant density per hectare	0
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Construction of Medical Collge	0	132103	Sq.mts

32.Total Water Requirement

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Dry season:	**Source of water**	Muncipal Authorities
	Fresh water (CMD):	713.33
	Recycled water - Flushing (CMD):	452.877
	Recycled water - Gardening (CMD):	219
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1166
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Wet season:	**Source of water**	Muncipal Authorities
	Fresh water (CMD):	1166
	Recycled water - Flushing (CMD):	452.877
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	0
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	0
	Excess treated water	0
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	1166	1166	0	174.90	174.90	0	991.10	991.10

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	0
	Size and no of RWH tank(s) and Quantity:	25.142 cum, 20
	Location of the RWH tank(s):	With in site area
	Quantity of recharge pits:	1291.617
	Size of recharge pits :	25.142
	Budgetary allocation (Capital cost) :	6 Lakhs
	Budgetary allocation (O & M cost) :	2.5 Lakhs
	Details of UGT tanks if any :	NA
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	0
	Size of SWD:	0
Sewage and Waste water	**Sewage generation in KLD:**	991
	STP technology:	MODULAR STP
	Capacity of STP (CMD):	991
	Location & area of the STP:	With in site area
	Budgetary allocation (Capital cost):	265 Lakhs
	Budgetary allocation (O & M cost):	8.0 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Enclosed in conceptual plan
	Disposal of the construction waste debris:	Enclosed in conceptual plan
Waste generation in the operation Phase:	**Dry waste:**	Garbage-6257 Kgs/day
	Wet waste:	Enclosed in conceptual plan
	Hazardous waste:	Waste Oil-1000 LPA
	Biomedical waste (If applicable):	1316 Kg/day
	STP Sludge (Dry sludge):	50 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	To muncipal authorities
	Wet waste:	NA
	Hazardous waste:	Authorized agencies
	Biomedical waste (If applicable):	Common bio medical waste treatment and disposal to authorized agencies
	STP Sludge (Dry sludge):	Enclosed in conceptual plan
	Others if any:	Dump yard
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	within site area
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 Lakhs
	O & M cost:	4.5 Lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA

Amount of effluent generation (CMD):	991.109
Capacity of the ETP:	2x600 KLD
Amount of treated effluent recycled :	452.877
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	NA
Disposal of the ETP sludge	dump yard

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Waste oil	hazardous	Not applicable	0	1000 LPA	1000 LPA	Authorized agencies

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG sets	HSD	4	5	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	NA	NA

41.Source of Fuel	NA
42.Mode of Transportation of fuel to site	NA

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43.Green Belt Development	**Total RG area :**	Enclosed in conceptual plan
	No of trees to be cut :	Enclosed in conceptual plan
	Number of trees to be planted :	Enclosed in conceptual plan
	List of proposed native trees :	Enclosed in conceptual plan
	Timeline for completion of plantation :	Enclosed in conceptual plan

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Enclosed in conceptual plan	Enclosed in conceptual plan	Enclosed in conceptual plan	Enclosed in conceptual plan
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Enclosed in conceptual plan	Enclosed in conceptual plan	Enclosed in conceptual plan

47.Energy

Power requirement:	**Source of power supply :**	State Electricity Board
	During Construction Phase: (Demand Load)	6900 KVA
	DG set as Power back-up during construction phase	0
	During Operation phase (Connected load):	4x1250 KVA
	During Operation phase (Demand load):	4x2500 KVA
	Transformer:	4x2500 KVA
	DG set as Power back-up during operation phase:	Enclosed in conceptual plan
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Enclosed in conceptual plan

48.Energy saving by non-conventional method:

Enclosed in conceptual plan

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Enclosed in conceptual plan	Enclosed in conceptual plan

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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	0	2x600 KLD

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Enclosed in conceptual plan
	O & M cost:	Enclosed in conceptual plan

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Enclosed in conceptual plan	Enclosed in conceptual plan	Enclosed in conceptual plan

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	EMP Budget	EMP Budget	401	29

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Enclosed in conceptual plan

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Parking details:	**Number and area of basement:**	Enclosed in conceptual plan
	Number and area of podia:	Enclosed in conceptual plan
	Total Parking area:	Enclosed in conceptual plan
	Area per car:	Enclosed in conceptual plan
	Area per car:	Enclosed in conceptual plan
	Number of 2-Wheelers as approved by competent authority:	Enclosed in conceptual plan
	Number of 4-Wheelers as approved by competent authority:	Enclosed in conceptual plan
	Public Transport:	Enclosed in conceptual plan
	Width of all Internal roads (m):	Enclosed in conceptual plan
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	24-05-2019

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 404700 m2, and total BUA of 132103 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.

2. (K) PP to submit detailed disaster management plan incorporating lightening arrester plan.

3. (K) PP to submit / upload duly filled Form-1, 1A and Consolidated Statement along with building configuration and area statement.

4. (V) PP to submit details of fire tender movement to large-scale (A1 size) indicating minimum 6 m drive way, 1.5 m width for services, all around layout so that all buildings are approachable.

5. (V) PP to submit 4-5 cross sections (across and longitudinal) showing width of drive way and drainage channels etc.

6. (V) PP to submit parking layout plan for all buildings / floors including basement if any.

7. (V) PP to submit parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms. PP to submit approved plan of competent authority.

8. (V) PP to submit Traffic Impact Study in detail including: (a) Traffic Management Plan for the development – Internal circulation indicating road width and turning radius. Cross section of roads at four places showing clear road width, distance left from building line, spaces left for plantation, footpath, service lines etc. (b) Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken. (c) Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions. (c) Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.

9. (G) PP to submit master layout superimposing all environmental parameters.

10. (G) PP to submit details and drawings of internal storm water and sewer line up to final disposal point with invert levels of last chamber.

11. (G) PP to submit geo-hydrological report along with details of RWH pits.

12. (G) PP to submit details of storm water and sewage up to final disposal point.

13. (G) PP to submit details of existing socio-economic infrastructure – primary, pre-primary schools etc. within vicinity.

14. (G) PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

15. (G) PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

16. (B) PP to revise EMP to make it site specific, executable encompassing monitoring matrix, Environment Cell and responsibility for execution of EMP.

17. (B) PP to submit details and drawings along with design basis of OWCs, STPs and ETPs proposed.

18. (T) PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply with quantity, (c) Drainage NOC. (d) solid waste / e-waste management. (e) bio-medical waste management. (f) Garden NOC.

19. (T) PP to submit indemnity bond indemnifying Environment Department, GoM from any legal consequences.

20. (D) PP to submit energy saving calculations.

21. (C) PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

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*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000291

90th SEAC-3 Meeting Day 01

SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for "Center for Perfect Health" by Maharishi Vedoddharak Foundation and Maharishi Vedic Health Pvt Ltd at Wahangaon, Pune, Maharashtra

Is a Violation Case: No

1.Name of Project	"Center for Perfect Health" by Maharishi Vedoddharak Foundation and Maharishi Vedic Health Pvt Ltd
2.Type of institution	Private
3.Name of Project Proponent	Maharishi Vedoddharak Foundation and Maharishi Vedic Health Pvt Ltd - Mr. Giridhari Shriniwas Kale
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Integrated Project of Tourism, Health, Education & Ayurveda Industry.
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gat No.57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 70, 71, 72, 73,79, 81, 82, 83, 100, 2, 77, 78, 99, 80, 105, 55, 56, 1, 318, 326, 328, 345, 347, 363, 369, 364, 367, 344, 88, 84, 317, 320, 348, 368, 369, 68,69,75, Village Wahangaon, Tal: Maval, Dist: Pune.
9.Taluka	Maval
10.Village	Wahangaon
Correspondence Name:	Mr. Giridhari Shriniwas Kale
Room Number:	C-10, Abhimanshree Society, Pashan Road, Baner , Pune-411007
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	-
City:	-
11.Whether in Corporation / Municipal / other area	Integrated Industrial Area (Wahangaon Grampanchayat)
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 162577
13.Note on the initiated work (If applicable)	Work not initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Under process
15.Total Plot Area (sq. m.)	7,36,200 m2 (73.62 Ha.)
16.Deductions	1,31,889 m2
17.Net Plot area	6,04,311 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,62,577 m2
	b) Non FSI area (sq. m.): 4,066 m2
	c) Total BUA area (sq. m.): 166643
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** -
	Approved Non FSI area (sq. m.): -
	Date of Approval: 28-12-2018
19.Total ground coverage (m2)	88,026 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12%
21.Estimated cost of the project	4500000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Security Cabin (6 Nos.)	Ground	4
2	Factory building (3 wings)	Ground	10
3	Private University	-	-
4	a. Admin	-	-
5	b. College	-	-
6	c. Nursing College	-	-
7	d. Hostel (Boys & Girls)	-	-
8	e. Mess	-	-
9	Ayurveda College & Hospital (100 Beds)	Ground + 4	25
10	a. Doctor's & Staff apartment	Ground + 1	10
11	b. Recovery Villas Type 2 (OPD)	Ground + 1	10
12	50 Rooms Hotel (2 Wings)	Ground + 2	15
13	Veda Research Centre	-	-
14	a. Pandit Mess	Ground	8
15	b. Pandit Residence (12 Nos.)	Ground + 1	10
16	Apartment (9 Nos.)	Ground + 2	15
17	Japa Hall (4 Nos.)	Ground	5
18	Pandit Yagya Shala (19 Nos.)	Ground	5
19	VIP Residence (2 Nos.)	Ground + 1	10
20	Meditation Hall	Ground	8
21	Toilets for Veda Research Centre	Ground	4
22	Pandit Laundry	Ground	4
23	Administration Building	Ground + 8	40
24	East Gate	Ground	10
25	Shopping Market	Ground	15
26	Traditional Village Market	Ground	6
27	Big Hall	Ground	15
28	Restaurant for market	Ground	15
29	Invincibility Tower	Ground + 11	60
30	Vedic Theme Park (64 nos.)	Ground	7
31	Mountains (Only decorative part)	Ground	25
32	Wedding Hotel	Ground + 2	15
33	Wedding Space	Ground	10
34	Banquet Hall	Basement + Ground	25
35	Organic Restaurant	Ground	6
36	Hotel (146 rooms)	Basement + Ground + 3	32
37	40 Rooms Hotel	Ground	8
38	30 Rooms Hotel	Ground	8
39	Treatment Rooms Cluster (5 Nos.)	Ground	8
40	Fitness club	Ground	6

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41	Kala shala (7 Nos.)	Ground	5
42	Public toilets (3 Nos.)	Ground	5
43	Villas (177 Nos.)	-	-
44	a. Villa Type 1 (26 Nos.)	Ground + 1	15
45	b. Villa Type 2 (36 Nos.)	Ground	8
46	c. Villa Type 3 (25 Nos.)	Ground	8
47	d. Villa Type 4 (20 Nos.)	Ground	8
48	e. Villa Type 5 (7 Nos.)	Ground + 1	15
49	f. Villa Type 6 (11 Nos.)	Ground + 1	15
50	g. Villa Type 7 (40 Nos.)	Ground + 1	15
51	h. Villa Type 8 (12 Nos.)	Ground	8

23.Number of tenants and shops	No. of shops – 1 Restaurant (Multi Casinos)
24.Number of expected residents / users	Total Population -3,784 nos. (Permanent population-998 nos. + floating population – 2786 nos.)
25.Tenant density per hectare	62 nos./ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Farm house bungalow, Labour camp & RWH tank
30.Details of the demolition with disposal (If applicable)	Only Labour camp which is a temporary structure, will be demolished. Construction debris will be reused in Project.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	1. Ayurvedic medicines	Not applicable	1200	1200
2	2. Aroma oils and Treatment Oils	Not applicable	100	100
3	3. Food supplements	Not applicable	1000	1000
4	4. Vedic Honey	Not applicable	250	250
5	5. Organic Food Processing	Not applicable	1000	1000
6	6. Organic Cosmetics	Not applicable	250	250

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7	7. Organic Cloth Stitching	Not applicable	-	-
8	8. Cow dairy products	Not applicable	75	75

32.Total Water Requirement

Dry season:	**Source of water**	Thokarwadi Dam
	Fresh water (CMD):	306 m3/day
	Recycled water - Flushing (CMD):	118 m3/day
	Recycled water - Gardening (CMD):	206 m3/day
	Swimming pool make up (Cum):	5 m3 (Make up water)
	Total Water Requirement (CMD) :	429 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	5 m3 (On top of each RCC construction bldg.)
	Excess treated water	Will be used for landscape
Wet season:	**Source of water**	Thokarwadi Dam
	Fresh water (CMD):	306 m3/day
	Recycled water - Flushing (CMD):	118 m3/day
	Recycled water - Gardening (CMD):	103 m3/day
	Swimming pool make up (Cum):	5 m3 (Make up water)
	Total Water Requirement (CMD) :	429 m3/day
	Fire fighting - Underground water tank(CMD):	200 m3
	Fire fighting - Overhead water tank(CMD):	5 m3 (On top of each RCC construction bldg.)
	Excess treated water	Will be used for landscape
Details of Swimming pool (If any)	1 No. for fitness club Dimensions of swimming pool – 25 m x 15 m (1.5 m depth) Make up water requirement – 5 m3	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Industrial Process	Not applicable	200	200	Not applicable	24	24	Not applicable	176	176

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 m BGL
	Size and no of RWH tank(s) and Quantity:	1 no. x 200 m3
	Location of the RWH tank(s):	As per layout
	Quantity of recharge pits:	33 nos. (as per 1 pit for 5,000 m2 of built up area)
	Size of recharge pits :	2.5 m x 2.5 m x 3 m depth
	Budgetary allocation (Capital cost) :	Rs. 25 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2 Lakh/year
	Details of UGT tanks if any :	2 x 200 m3 for Fire & drinking water
35.Storm water drainage	**Natural water drainage pattern:**	Along with contour
	Quantity of storm water:	1.5 m3/sec
	Size of SWD:	300 mm x 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	Total 185 m3/day (Excluding Hospital)
	STP technology:	MBBR
	Capacity of STP (CMD):	Total 200 m3/day
	Location & area of the STP:	As per contour
	Budgetary allocation (Capital cost):	Rs. 50 Lakh
	Budgetary allocation (O & M cost):	Rs. 5 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	64,852 m3 Mostly Biomass, Agro waste and Bio-degradable
	Disposal of the construction waste debris:	Will be used for backfilling & landscaping purpose.
Waste generation in the operation Phase:	**Dry waste:**	350 kg/day
	Wet waste:	525 kg/day
	Hazardous waste:	9 kg/day (ETP sludge)
	Biomedical waste (If applicable):	35 kg/day
	STP Sludge (Dry sludge):	9 kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized vendor for further processing
	Wet waste:	Treated in organic waste composting machine
	Hazardous waste:	Handed over to CPCB authorized vendor for further processing
	Biomedical waste (If applicable):	Handed over to CPCB authorized vendor for further processing
	STP Sludge (Dry sludge):	Used for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	2 locations, 2 nos. of OWC machines with total capacity 600 kg/day
	Area for the storage of waste & other material:	Total area 120 m2 (50 m2 & 70 m2)
	Area for machinery:	25 m2 for each machine
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 15 Lakh
	O & M cost:	Rs. 3 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4.85	6.5-7.5	6.5-7.5
2	COD	mg/l	12000	<250	<250
3	BOD, 3 days @ 270c	mg/l	3000	<30	<30
4	Suspended solids	mg/l	1500	<100	<100
5	Oil & grease	mg/l	150	Nil	Nil

Amount of effluent generation (CMD):	Total 176 m3/day (From Ayurvedic Hospital, Hotel & factory building)
Capacity of the ETP:	Total 200 m3/day
Amount of treated effluent recycled :	172 m3/day
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Chemical coagulation with sedimentation and disinfection with UV (MBBR with Zero liquid discharge)
Disposal of the ETP sludge	Treated into sludge drying bed & disposal to common hazardous treatment unit

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP sludge	2.2	Kg/day	Not applicable	9	9	Handed cover to CPCB authorized vendor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Drugs/ Neurtaceiticalls (Ayurvedic aroma oils, foods supplements, organic foods)	Furnace oil/LPG – 200 MT/month	1	30 m	Top 1500 mm	30o c

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2	Cow and Dairy products/ Honey, cosmetics	Wood- 600 MT/month	2	30 m	Top 1500 mm	30o c

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace oil /LPG	Not applicable	200 MT/month	200 MT/month
2	Wood	Not applicable	600 MT/month	600 MT/month
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Road Transport		

43.Green Belt Development	**Total RG area :**	67,189 m2
	No of trees to be cut :	120 Nos.
	Number of trees to be planted :	The project proposes to plant large plantation of Trees with medicinal value. Partial list enclosed.
	List of proposed native trees :	Large plantation is being made for manufacture of ayurvedic medicines & oils
	Timeline for completion of plantation :	Large no. of trees are present at site which are more than required as per norms. Tree land scaping and additional plantation if any will be completed within 12 months after project completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Existing Trees	-	-	-
2	psidium guajava	Jambhul	34	Evergreen small, fruit bearing tree
3	Artocarpus heterophyllus	Fanas	47	Shady, fruit bearing tree
4	Mangifera indica	Mango	3396	Large evergreen fruit bearing tree.
5	Eucalyptus	Nilgiri	13	-
6	-	Other	749	-
7	Proposed Tree	-	-	-
8	Aegle marmelos	Bel	100	Medicinal properties
9	Terminalia Chebula	Hirda	100	Medicinal properties
10	Terminalia bellarica	Behada	100	Medicinal properties
11	Syzygium cumini	Jambul	100	Evergreen palm. Medicinal and Ornamental plant
12	Terminalia arjuna	Arjun	100	Medium sized deciduous tree. Bright scarlet flowers.
13	Thevetia peruviana	Yellow Kaner	100	State flower tree of Maharashtra, Medium sized tree, has beautiful purple flowers
14	Cassia fistula	Bahava	100	Shady tree bearing white fragrant flowers.
15	Cinnamomum camphora	Karpur	100	Medium sized evergreen and shady tree having fragrant flowers
16	Litsea chinensis	Meida	100	Tall deciduous tree having medicinal properties
17	Cinnamomum tamala	Tejpatta	100	Large evergreen fruit bearing tree.

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18	Commiphora wightii	Guggul	100	Small hardy tree bearing fragrant flowering with medicinal properties
19	Oroxylum indicum	Tetu	100	Small rounded deciduous tree with fragrant flowers
20	Pongamia pinnata	Karanj	100	Evergreen flowering tree.
21	Michelia champaca	Champa	100	Evergreen ornamental tree
22	Bauhinia variegata	Kanchan	100	Deciduous flowering tree
23	Azadirachta indica	Neem	100	Medicinal properties
24	Saraca asoka	Ashoka	100	Medicinal properties
25	Symplacos racemosa	Lodh/Lodhra	100	Medicinal properties
26	Putranjiva roxburgii	Putranjiva	100	Medicinal properties
27	Mesua ferrea	Nagakesar	100	Medicinal properties
28	Sterculia uren	Mowai	100	Medicinal properties
29	Butea monosperma	Dhawada	100	Medicinal properties
30	Dellenia indica	Chilta	100	Medicinal properties
31	Madhuca indica	Mahua	100	Medicinal properties
32	Emblica officinalis	Amla	100	Medicinal properties
33	Gmelina arborea	Shivan	100	Medicinal properties
34	Santalum alba	Chandan	100	Medicinal properties
35	Mimusops elangi	Bakul	100	Medicinal properties
36	Schleichera oleosa	Kusum	100	Medicinal properties
37	Alstonia scholaris	Saptaparni	100	Medicinal properties
38	Elaeocarpus ganitrus	Rudraksh	100	Medicinal properties
39	Cinnamomum zeylanicum	Dalchini	100	Medicinal properties
40	Myristica fragrans	-	100	Medicinal properties
41	Syzygium aromaticum	Laung	100	Medicinal properties
42	Ficus carica	Anjir	100	Medicinal properties
43	Acacia nilotica	Babbul	100	Medicinal properties
44	Grewia titliaefilia	Dhanvan	100	Medicinal properties
45	Tecoma undulata	Rohita	100	Medicinal properties
46	Basella alba	Poi	100	Medicinal properties
47	Abrus precatorius	Gunj	100	Medicinal properties
48	Strychnos nuxvoica	Kavi/Kuchala	100	Medicinal properties
49	Emblica offficinalis	Avala	100	Medicinal properties
50	Ficus glamorata	Umber	100	Medicinal properties
51	Syzygium cumini	Jamun	100	Medicinal properties
52	Dalbergia sissoo	Sissoo	100	Medicinal properties
53	Bambusa arundinacea	Bamboo	100	Medicinal properties
54	Ficus religiosa	Peepal	100	Medicinal properties
55	Messua ferrea	Nagachampa	100	Medicinal properties
56	Ficus bengalensis	Vad	100	Medicinal properties
57	Butea monosperma	Palas	100	Medicinal properties
58	Ficus virens	Payar	100	Medicinal properties

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59	Sapindus mukorrossi	Ritha	100	Medicinal properties
60	Flacourtia indica	Vahecal	100	Medicinal properties
61	Mimusops elengi	Bakul	100	Medicinal properties
62	Pinus roxburghii	Cheer	100	Medicinal properties
63	Shorea robusta	Sal	100	Medicinal properties
64	Salix tetrasperma	Salix	100	Medicinal properties
65	Artocarpus heterochyllus	Phanas	100	Medicinal properties
66	Calotropis gigantea	Rui	100	Medicinal properties
67	Prosopis cineraria	Shami	100	Medicinal properties
68	Neolamarkia cadamba	Kadamba	100	Medicinal properties
69	Mangifera indica	Mango	100	Medicinal properties
70	Premna serratifoila	Premna	100	Medicinal properties
71	Stereospermum suaveolens	Padal	100	Medicinal properties
72	Desmodium gangeticum	Salwan	100	Medicinal properties
73	Uraria picta	Pitwan	100	Medicinal properties
74	Tribulus terrestris	Meida	100	Medicinal properties
75	Semaruba glauca	Laxmitaru	100	Medicinal properties
76	Sterculia uren	Jatropha	100	Medicinal properties
77	Acacia catachu	Kadai/Kandol	100	Medicinal properties
78	Anogeissus latifolia	Khair	100	Medicinal properties
79	Dicamalli	Dhawada	100	Medicinal properties
80	Boswellia serrata	-	100	Medicinal properties
81	lennea grandis	Salai	100	Medicinal properties
82	Total	-	11,439	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	2 nos. x 50 kW
	During Operation phase (Connected load):	10 MW
	During Operation phase (Demand load):	5 MW
	Transformer:	Total 15 MW
	DG set as Power back-up during operation phase:	Total 2 nos. x 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1. Solar Water Heating 100% hot water requirement
2. LED lights in Common area & all open spaces
3. Maximum daylight and ventilation as per ECBC norms

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED in common areas	3 %
2	Energy efficient pumps	2 %
3	Efficient envelope to reduce heat gain	3 %
4	Right glass & WWR for maximum light & ventilation	1 %
5	Solar water heater	10 %
6	Timer for staircase lightening, Lift lobby, Parking area and street light	1 %
7	Overall Energy Saving	4.5 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 30 Lakh
	O & M cost:	Rs. 3 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Air Environment	Water for dust suppression	15
2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	20
3	-	Disinfection at site	5
4	-	Health check-up for workers, first aid kit	7
5	-	Safety net	5
6	Environment management	For Air, Noise, Water Analysis	3
7	-	Site fencing &noise barrier	2
8	-	Traffic management	2
9	-	Storm water management	5
10	-	Vehicle maintenance, washing area, tyre cleaning	3
11	-	Tree plantation & water utilization	5
12	Training and awareness	Safety personal protective equipment & Training programs	5
13	Total	-	77

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	For treatment of sewage generated.	30	3
2	Effluent Treatment Plant	For treatment of effluent generated.	40	4
3	Rain Water Harvesting	33 nos. of recharge pits with 2 nos.	25	2
4	Storm Water Management	-	20	1
5	Solid Waste Management	Treatment of solid waste	15	3
6	Solid Waste Management	Treatment of solid waste	15	3
7	Energy Conservation	Solar PV cell	30	3
8	Environmental Monitoring	-	MoEF Approved Lab	5
9	Fire Fighting System	-	20	2
10	Water Treatment Plant	-	5	1
11	tOTAL	-	185	24

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos.
Parking details:	**Number and area of basement:**	-
	Number and area of podia:	-
	Total Parking area:	9860 m2
	Area per car:	25 m2
	Area per car:	25 m2
	Number of 2-Wheelers as approved by competent authority:	Scooters- 556 Nos. (Visitors-51 Nos.+ Normal -505 Nos.) Cycles- 556 Nos. (Visitors-51 Nos.+ Normal -505 Nos.)
	Number of 4-Wheelers as approved by competent authority:	301 Nos. (Visitors-27 Nos.+ Normal -274)
	Public Transport:	NA
	Width of all Internal roads (m):	9 m & 12 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(b)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

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PP submitted their application for expansion in earlier Environmental clearance for total plot area of 736200 m2, FSI area of 1,62,577 m2, Non FSI area of 4066 m2 and total BUA of 166643 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)b1.

PP made presentations of chapters related to Air, Water, Land and Traffic.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit details of natural water courses passing through the plot.

2. PP to submit details of internal storm water and sewer drain up to final disposal point.

3. PP to submit specific NOC from concerned authority for extraction of ground water.

4. PP informed that non-biodegradable waste will be collected by vendor. PP to submit copy of agreement with the vendor.

5. PP has planned for ZLD. PP to submit details of the same.

6. PP has also proposed to make provision of storage tank for collection of treated effluent. PP to submit measures proposed for avoiding unhygienic conditions due to same.

7. PP to ensure that the artificial pond created will not affect the catchment of the adjoining area.

8. PP to submit details of water treatment plant along with design.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

The Committee further informed the PP to make presentations of chapters related to disaster management plan, ecology and biodiversity, Social Impact Assessment, Solid & Liquid Waste Management, Energy and Corporate Social Responsibility in the next meeting.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for 'The HQ at Environmental Clearance for proposed Commercial project at CTS No 11,11/1, FP No 207, Boat Club road, Sangamwadi, Pune

Is a Violation Case: No

1.Name of Project	M/s. GOEL GANGA CONSTRUCTIONS AND REAL ESTATE PVT LTD.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Atul Goel
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environmental Clearance issued in the name of previous owner of the land M/s. Marvel Asta Construction LLP. with Ref. No SEAC- III-2015/CR-98/TC-3 DATED 3 DEC 2016
8.Location of the project	at CTS No 11,11/1, FP No 207, Boat Club road, Sangamwadi, Pune
9.Taluka	Haveli
10.Village	Boat Club Road
Correspondence Name:	3rd floor,San Mahu Commercial complex 5 Bund Garden Road Pune 411001
Room Number:	-
Floor:	3rd Floor
Building Name:	San Mahu Commercial complex
Road/Street Name:	Bund Garden Road
Locality:	Camp, Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: CC/3304/18 DATED 23-1-2019
	IOD/IOA/Concession/Plan Approval Number: IOD/IOA/Concession/Plan Approval Number: CC/3304/18 DATED 23-1-2019
	Approved Built-up Area: 27217
13.Note on the initiated work (If applicable)	No work initiated on site till date.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	11,027.68 m2
16.Deductions	509 m2
17.Net Plot area	10,518.68 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 27,217
	b) Non FSI area (sq. m.): 38,669.10
	c) Total BUA area (sq. m.): 65886.10
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 27,217
	Approved Non FSI area (sq. m.): 38,669.10
	Date of Approval: 23-01-2019
19.Total ground coverage (m2)	3296.92
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.34%
21.Estimated cost of the project	1327000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building	Lower Ground+ Ground +1ST floor +P1+P2+P3+P4+P5+2nd to 13 floors	69.9
2	Club House	G+1	7.5

23.Number of tenants and shops	143 Offices and 8 No commercial
24.Number of expected residents / users	3967 Nos.
25.Tenant density per hectare	151 per ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Proposed 20 m wide road and 30 M DP road as per layout (Nearest Fire Station – Main Fire Station Bund garden Road)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	163
	Recycled water - Flushing (CMD):	71
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	239
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	125
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	163
	Recycled water - Flushing (CMD):	71
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	234
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	40
	Excess treated water	130
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	0	163	163	0	16	16	Not applicable	147	147
Domestic	0	71	71	0	8	8	0	63	63
Gardening	0	5	5	0	5	5	0	0	0

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 6 m Avg.
	Size and no of RWH tank(s) and Quantity:	1 No. 75 m3
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	3 Nos.
	Size of recharge pits :	1.2 m x 1.2 m x 3m with dia of 160 mm and 60 m depth
	Budgetary allocation (Capital cost) :	Rs. 6.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.18 Lakhs /Annum
	Details of UGT tanks if any :	• Domestic UG tank Capacity: 244 KLD • Fire UG tank Capacity: 300 KLD • RWH Tank - 75 KLD • FLUSHING NEAR STP -75 KLD
35.Storm water drainage	**Natural water drainage pattern:**	as per contour
	Quantity of storm water:	6184.97 cum/year
	Size of SWD:	500 mm external
Sewage and Waste water	**Sewage generation in KLD:**	210
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. 220 KLD
	Location & area of the STP:	Near Open space 2
	Budgetary allocation (Capital cost):	Rs. 30.46 Lakhs
	Budgetary allocation (O & M cost):	Rs. 11.00 Lkahs /Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	45 kg/day
	Disposal of the construction waste debris:	Excavation in the form of rubble and soil. Part of this soil and rubble will be used for back filling All excavated material used within site and balance to disposed to other sites by approved vendor
Waste generation in the operation Phase:	**Dry waste:**	493 kg/day
	Wet waste:	499 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	5 kg/day
	Others if any:	E waste= 3967 kg/year

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized vendor for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in onsite organic waste converter machine .
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Handed over to authorized recyclers for further handling & disposal purpose
Area requirement:	**Location(s):**	Near Restaurant No. 5
	Area for the storage of waste & other material:	Total Area 40 m2 including Machinery
	Area for machinery:	Total Area 40 m2 including Machinery
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 14.75 Lakhs
	O & M cost:	Rs. 3.24 Lakhs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	NA	NA	NA	NA	NA	NA	NA

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1010KVA DG set	50.5 lt/hr	3	5m	Not applicable	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel for DG set	NA	Diesel for DG set	Diesel for DG set
41.Source of Fuel		Local Dealer		
42.Mode of Transportation of fuel to site		By Road		

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43.Green Belt Development	**Total RG area :**	1513.96 m2
	No of trees to be cut :	295 Nos.
	Number of trees to be planted :	110 Nos.
	List of proposed native trees :	given below
	Timeline for completion of plantation :	till operational phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	10	Good for restoration of dryer parts, good for air purifier and have medicinal properties
2	Anthocephallus cadamba	KAdamb	8	Shady, large tree, ball shaped flowers
3	Albezzialebbeck	Shirish	9	Good for restoration of dryer parts, good for air purifier and have medicinal properties
4	Cassia Fistula	Bahava	8	Have medicinal properties and larval host for butterflies
5	Bauhinia Purpurea	Kancha	8	Grow in less soil Draught Resistant
6	Murraya Paniculata	Kunti	8	Blooms throughout the year, flowers with excellent fragrance
7	Michelia champaca	Son Chafa	8	Good for ornamental purpose.
8	Pongamia Pinnata	Karanj	6	Host for butterflies, Nitrogen Fixing Plants
9	Acrussapota	Chikku	7	Fruit bearing tree, attracts birds
10	Pyllanyhus emblica	Amla	7	Medicinal prperties
11	Psidim Gava	Peru	7	Frit Bearing Trees, Attrach Birds
12	LagerstroemiaFlos-reginae	Tamhan	8	Good as a avenue tree good for group planting around water garden & ponds.
13	Saracaindica	Sita Ashok	8	Evergreen tree with rounded crown, hardy tree
14	Magnifera indica	mango	8	Fruit bearing trees , attracts birds
15	--	TOTAL	110	--
16	Existing Trees	--	--	--
17	Largerstormia flos reginae	Taman	1	Medium size ornamental tree
18	Leucaena leucocephala	subhabul	2	Small , Fast growing Evergreen Tree
19	Azadirachta indica	neem	4	Hardy and fast growing Tree, Air Purifier
20	Caryota Urens	Fishtail Palm	3	Has ornamental Value, Used as avenue plants, for graceful and pretty appearance
21	Sterculia footida	Badam	2	Soft wooded tree spread horizontally

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22	Pongamia Pinnata	Karanj	6	Host for butterflies, Nitrogen Fixing Plants
23	Magnifera indica	Mango	1	Road Side plantation and for shades Fruit bearing trees , attracts birds
24	Tamarindous Indica	Chinch	1	Fruit bearing, shady and medium growth tree
25	Cocus Nucifera	Coconut	1	Large palms with pinnate leaves, versatility in use
26	Delonix Regia	Gulmohar	7	Species of flowering tree
27	Limonia aciddiscima	Kawath	1	arge growing Tall, Fruit bearing tree
28	Samania Saman	Raintree	3	Flowering, large growing, shady tree
29	Pithecellobium duice	Vilayati Chinch	1	Fruit bearing shady tree attract birds
30	Jacaranda Mimisifolia	Nilmohar	5	Flowering tree with attractive and long lasting pale indigo flower
31	Zizyphus Mauritiana	Bori	1	Fruit bearing, spiny, evergreen small tree
32	Cocus nucifera	Naral	1	Fruit bearing tree
33	Syzygium cumini	Jambul	1	Evergreen fruit bearing tree
34	--	Walava	1	--
35	TOTAL NO OF EXISTING TREES TO BE RETAINED	--	42	--
36	TOTAL EXISTING TREES TO BE RETAINED + PROPOSED NO OF TREES	42+110	152	--
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Thevetia Nerifolia	0.9	23.20
2	Stachytarpheta	0.45	7.73
3	Plumbago zeylanica	0.45	7.73
4	Nerium oleander	0.75	3.87
5	Korphad	0.30	3.87
6	Ocimumsanctum	0.30	3.87
7	Cyimbopogon floxosus	0.30	15.46
8	Hibiscus Rosa sinesis	0.60	11.60

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	2 X 125 KVA
	During Operation phase (Connected load):	3722.76 kw
	During Operation phase (Demand load):	2399.64 kw
	Transformer:	1000 kva x 3 nos
	DG set as Power back-up during operation phase:	1010 Kva x 3 Nos
	Fuel used:	Fuel Requirement FOR 1010KVA Fuel Requirement :-199 lit./hr @100% Load
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total Energy saving by using energy saving measures- 36.44 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common Area Lighting using LED Lights	26.63 %
2	Star Rated Pump	20 %
3	External Area Lighting using LED Lights & Timer	65 %
4	Building Solar PV System	1.45 %
5	Energy saving using VFD	20 %
6	Occupancy Lighting sensor	35 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
waste water	NA	STP 220 KLD -1 No MBBR
Solid waste	NA	ORGANIC WASTE CONVERTER OF REQUIRED CAPACITY

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18.75
	O & M cost:	0.37 Lakhs/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Air Environment	Erosion control – dust suppression measures, barricading, Monitoring and Testing	4.7
2	Water Environment	Tanker for construction work , Water Testing, Drinking water for construction labours	6.60
3	Land Environment	Labour Camp toilets & sanitation	1.20
4	Biological Environment	Top Soil Preservation	0.25
5	Socio-economic environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	1.80
6	Safety Training	For contractors and labours	0.50
7	Environment Management	Environment Management cell	0.25

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP	30.46	11.00
2	Solid Waste Management	OWC	14.75	3.24
3	Landscaping	Development and Maintenance	11.31	1.47
4	Rain Water Harvesting	Recharge Pits	6.00	0.18
5	Solar PV Energy Saving	Energy saving measures	15.75	0.31
6	Lightening Arrestor	Lightening Arrestor 3 Nos	2.75	0.55
7	Environmental Monitoring	Environmental Monitoring	--	1.00

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	One Main Junction from Site to Main Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	23379.34 m2
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	1820 Nos.
	Number of 4-Wheelers as approved by competent authority:	638 Nos.
	Public Transport:	PMPML local transport facility and proposed metro
	Width of all Internal roads (m):	7.5 m. wide internal road and 9 m. turning radius will be provided .
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) b2 Building & Construction Project
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

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Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 11,027.68 m2, FSI area of 27,217 m2, Non FSI area of 38,669.10 m2 and total BUA of 65886.10 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. The Committee also referred the legal opinion of Advocate General, GoM regarding processing the application in light of Judgment by Hon'ble Supreme Court dt. 10.08.2018 in Civil Appeal No. 10854 of 2016.

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DECISION OF SEAC

*In view of aforesaid legal opinion, the Committee decided to recommend **rejection** of the proposal for grant of environmental clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal for rejection subject to above reasons.

SEAC Meeting number: 90 **Meeting Date** July 8, 2019

Subject: Environment Clearance for Application for environmental Clearance for residential construction project

Is a Violation Case: No

1.Name of Project	Residential construction project
2.Type of institution	Private
3.Name of Project Proponent	Jiyaji Bhosale
4.Name of Consultant	Not yet appointed
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 10/11, plot no. 01
9.Taluka	Haveli
10.Village	Autade Handewadi
Correspondence Name:	Jiyaji Bhosale
Room Number:	163
Floor:	NA
Building Name:	Bhosale Garden
Road/Street Name:	NA
Locality:	Hadapsar
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Obtained
	IOD/IOA/Concession/Plan Approval Number: BHA/CR no. 1400 dated 2/2/17
	Approved Built-up Area: 31794
13.Note on the initiated work (If applicable)	Building B1 to B8 are completed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	10605
16.Deductions	0
17.Net Plot area	10605
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18360.92
	b) Non FSI area (sq. m.): 13432.95
	c) Total BUA area (sq. m.): 31794
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 18360.92
	Approved Non FSI area (sq. m.): 13432.95
	Date of Approval: 02-02-2017
19.Total ground coverage (m2)	3645.05
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.37
21.Estimated cost of the project	156611712

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing B1	P + 4	14.4
2	Wing B2	P + 4	14.4
3	Wing B3	P + 4	14.4
4	Wing B4	P + 4	14.4
5	Wing B5	P + 4	14.4
6	Wing B6	P + 9	28.65
7	Wing B7	P + 9	28.65
8	Wing B8	P + 9	28.65
9	Wing A	P + 11	34.20

23.Number of tenants and shops	324 tenements
24.Number of expected residents / users	1620
25.Tenant density per hectare	250 tenements /ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Wings B1 to B8 are completed
30.Details of the demolition with disposal (If applicable)	Wing H (Ground floor) will be demolished. Disposal on same plot

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Autade Handewadi grampanchyat
	Fresh water (CMD):	146
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	20
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	239
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 KLD per bld
	Excess treated water	111
Wet season:	**Source of water**	Autade Handewadi grampanchyat
	Fresh water (CMD):	146
	Recycled water - Flushing (CMD):	73
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	219
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	20 KLD per bld
	Excess treated water	131
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	94	52	146	9	5	14	85	47	132

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 18.67 m. to 26.67 m. BGL. (22.67 M. Average) Rainy Season – 4.33 m. to 10.00 BGL. (7.17 M. Average) Winter Season – 11.50 m. to 18.34 m. BGL. (14.92 M. Average)
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6
	Size of recharge pits :	2.25 m. X 2.25 m. X 1.75 m. Depth with 60 m. Deep 6" Dia. 50 To 60 m. deep Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth.
	Budgetary allocation (Capital cost) :	7.80 /- lakhs
	Budgetary allocation (O & M cost) :	0.50 /- lakhs p.a.
	Details of UGT tanks if any :	UGT 1 Soft water: 167250 lit. Flushing water: 70,000 lit Fire: 150000 lit UGT 2 Soft water: 86700 lit Flushing : 39000 lit Fire: 50000 lit.
35.Storm water drainage	**Natural water drainage pattern:**	As per contour
	Quantity of storm water:	6,691.04 m3 / Year i.e. 133.82 m3 / Day, Considering 849.30 mm. annual rain fall in 50 days averagely.
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	204
	STP technology:	MBBR
	Capacity of STP (CMD):	2 no. existing 216 KLD and proposed 80 KLD
	Location & area of the STP:	As per layout
	Budgetary allocation (Capital cost):	5119000 /-
	Budgetary allocation (O & M cost):	1250000 / -p.a.

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 %
	Disposal of the construction waste debris:	Disposal on same site for filling and cutting
Waste generation in the operation Phase:	**Dry waste:**	324 kg/day
	Wet waste:	486 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 kg/day
	Others if any:	E waste: 810 kg/year

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Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	Mechanical composting machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Mechanical composting machine
	Others if any:	E waste : Through authorized vendor
Area requirement:	**Location(s):**	As per layout
	Area for the storage of waste & other material:	34 sqm
	Area for machinery:	14 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14.75 /-lakhs
	O & M cost:	3.10 /- lakhs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6-8.5	6.5 -8.5	6.5 -8.5
2	BOD	mg/l	180-250	10	30
3	COD	mg/l	300-250	less than or equal to 50	less than or equal to 50
4	TSS	mg/l	100-250	less than or equal to 20	Not applicable
5	NH4- N	mg/l	15-20	less than or equal to 20	Not applicable
6	N-total	mg/l	20-50	less than or equal to 10	Not applicable
7	Feacal coliform	mg/l	uncountable	100 MPN/100ML	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	0
	No of trees to be cut :	NA
	Number of trees to be planted :	140
	List of proposed native trees :	As per list
	Timeline for completion of plantation :	2 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ERYTHRINA INDICA	PANGARA	23	THE GROWTH OF THIS DECIDUOUS, ORNAMENTAL TREE IS BROAD AND SPREADING, THAT CAN GET UPTO 20' TALL AND SPREAD UPTO 20'
2	SARACA INDICA	SITA ASHOK	21	SARACA INDICA IS AN EVERGREEN TREE WITH A SPREADING CROWN; IT CAN GROW UP TO 24 METRES TALL.
3	ALBIZZIA LEBBECK	SHIRISH	11	ALBIZIA LEBBECK IS A DECIDUOUS, PERENNIAL LEGUME TREE, UPTO 25 METER IN HEIGHT, WITH GREY BARK.
4	BAUHINIA VARIEGATA	KANCHAN	10	IT IS A SMALL TO MEDIUM-SIZED TREE GROWING TO 10–12 METRES TALL, DECIDUOUS IN THE DRY SEASON.
5	MURRAYA PANICULATA	KUNTI	13	IT IS A SMALL, TROPICAL, EVERGREEN TREE GROWING UP TO 4 M TALL. THE PLANT FLOWERS THROUGHOUT THE YEAR.
6	LAGERSTROEMIA FLOXRAGME	TAMAN	08	IT IS AVENUE PLANT GROWING UPTO 20' TALL.
7	AZADARICHTA INDICA	NEEM	15	IT IS EVERGREEN TREE WITH MEDICINAL USES.

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8	PLUMERIA ALBA	CHAFA	18	SMALL DECIDUOUS TREE WITH YELLOW FLOWERS.
9	NYCTANTHES ARBORTRISTIS	PARIJATAK	09	SMALL DECIDUOUS TFAST GROWING TREE WITH FRAGRANT AND DELICATE FLOWERS.
10	MANILKARA ZAPOTA	CHIKOO	06	FRUIT BEARING TREE REACHING UPTO HEIGHT OF 4.5M. THE FRUIT HAS AN EXCEPTIONALLY SWEET, MALTY FLAVOR.
11	PSIDIUM GUAJAVA	GUAVA	06	THE GUAVA FRUIT GROWS ON A SMALL TREE WITH A WIDE, SHORT CANOPY AND A STURDY SINGLE TO MULTI-STEMMED TRUNK.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Existing : 50 KW, Proposed: 75 KW
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	Existing : 904.90 KW, Proposed : 492 KW
	During Operation phase (Demand load):	Existing : 905 KW, Proposed : 284 KW
	Transformer:	Existing : 630 KVA X 2, Proposed 315 KVA X 1
	DG set as Power back-up during operation phase:	Existing 125 KVA X 1 and Proposed : 82.5 KVA X 1
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Auto Timer control for external & Common lighting
Use of LED lamps in all public/ common areas.
Solar powered water heating .
Electronic V3F Drives for Elevators
Solar PV Panel power for common area lighting.

49.Detail calculations & % of saving:

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Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	7500 KWH/annum
2	Timer Logic Controller	34094 KWH/annum
3	Electronic V3F drive for Lifts	26344 KWH/annum
4	Solar Water Heater	410988 KWH/annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water pollution	STP	STP
Solid waste management	NA	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	59.94 /-lakhs
	O & M cost:	2.18 /- lakhs p.a.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion control	dust suppression measures, barricading and top soil preservation	5
2	Site Sanitation & Safety	mobile toilets and piping required	2.75
3	Environmental Monitoring	Air, water and noise and soil monitoring and analysis	1.60
4	Disinfection	paste control	1
5	Health Check up	Health camp	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	installation and piping up to final disposal	51	12.50
2	RWH	Piping and Re-change pits	14.75	3.10
3	Storm water network	Internal and external piping up to final disposal	4.90	1.00
4	Landscape	plantation	15	1.5
5	Energy	Energy conservation methods	59.94	2.18
6	Env.monitoring	Air,water, soil and noise analysis and monitoring	0	1.60
7	Site safety and awareness	PPE to labours and traning	9.0	0

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51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7286.60 sqm
	Area per car:	30sqm
	Area per car:	30sqm
	Number of 2-Wheelers as approved by competent authority:	327
	Number of 4-Wheelers as approved by competent authority:	198
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 10605 m2, FSI area of 18360.92 m2, Non FSI area of 13432.95 m2 and total BUA of 31794 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion following points emerged:

1. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

2. PP stated that the plot under reference is one subdivided plot of a big chunk of land with a common RG. PP to submit copy of an agreement with purchaser mentioning aforementioned common RG area.

3. PP to submit indemnity bond.

4. PP to submit master layout superimposing all environmental parameters.

5. PP to submit UGT sections.

6. PP to obtain and submit following NOC's: (a) Water supply (b) solid waste / e-waste management. (c) Garden.

7. PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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Subject: Environment Clearance for Environmental Clearance for proposed residential project at G. No. 570, Wagholi by Stuti Associates

Is a Violation Case: No

1.Name of Project	Environmental Clearance for proposed residential project at G. No. 570, Wagholi by Stuti Associates
2.Type of institution	Private
3.Name of Project Proponent	Kailash Mundada
4.Name of Consultant	Vke:Environmental LLP
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	G. No. 570, Wagholi,Pune
9.Taluka	Haweli
10.Village	Wagholi
Correspondence Name:	Stuti Associates
Room Number:	Office No. 3, 4, 5
Floor:	Ground floor
Building Name:	Swayambhu
Road/Street Name:	Pune Satara Road
Locality:	Mukundnagar
City:	Pune
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	Under process
	IOD/IOA/Concession/Plan Approval Number: Under process
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	20000
16.Deductions	-
17.Net Plot area	20000
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25500
	b) Non FSI area (sq. m.): 17031.96
	c) Total BUA area (sq. m.): 42531.96
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 17-04-2019
19.Total ground coverage (m2)	5500
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.5
21.Estimated cost of the project	1010000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	LP+UP+15	47.10
2	Wing B	LP+UP+15	47.10
3	Wing C	LP+UP+15	47.10
4	Wing D	LP+UP+15	47.10
5	Wing E	LP+UP+15	47.10
6	Wing F	LP+UP+15	47.10
7	Wing G	LP+UP+15	47.10
8	Wing H	LP+UP+15	47.10
9	Club House	LP+UP+15	7.00

23.Number of tenants and shops	Residential:464
24.Number of expected residents / users	Residential Tenents :2320
25.Tenant density per hectare	250 tenets/ ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min 9m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Wagholi Grampanchayat
	Fresh water (CMD):	221
	Recycled water - Flushing (CMD):	104
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	340
	Fire fighting - Underground water tank(CMD):	800
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	147
Wet season:	**Source of water**	Wagholi Grampanchayat
	Fresh water (CMD):	221
	Recycled water - Flushing (CMD):	104
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	3
	Total Water Requirement (CMD) :	328
	Fire fighting - Underground water tank(CMD):	800
	Fire fighting - Overhead water tank(CMD):	200
	Excess treated water	159
Details of Swimming pool (If any)	Main Pool Size: 8m x 16 m x 1.2 m depth Baby Pool Size: 6 m x 6 m x 0.7 m depth parameters to be monitored: 1. pH -7.2 7.6 2. Chlorine level -1 to 1.5 mg/l Capital Cost: 1225000 O & M Cost: 240000 per annum	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 to 27 m bgl
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 no
	Size of recharge pits :	2mx2mx2.5m
	Budgetary allocation (Capital cost) :	450000
	Budgetary allocation (O & M cost) :	22500
	Details of UGT tanks if any :	Fire UG tank Capacity:800 cum
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: The storm water drainage will be designed according to contours. The storm water collected through the storm water drains of adequate capacity will be led to recharge pits
	Quantity of storm water:	1200 m3/day
	Size of SWD:	600 MM
Sewage and Waste water	**Sewage generation in KLD:**	292KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	300 KLD
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	40,00,000
	Budgetary allocation (O & M cost):	110000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Dry waste (Kg/day): 8 kg/day Wet waste (Kg/day): 12 kg/day =Total waste generated: 20 kg/day
	Disposal of the construction waste debris:	The construction waste generated during construction shall be segregated, reused on site and surplus shall be led to scrap dealers for recycling
Waste generation in the operation Phase:	**Dry waste:**	465 kg/day
	Wet waste:	679 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 kg/day
	Others if any:	E waste- 1162 kg/yr

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWaCH
	Wet waste:	Will be operated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dried sludge will use as manure
	Others if any:	E waste will be handed over to authorized vendor
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Total area- 67.5 m2
	Area for machinery:	Total area- 67.5 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2075000
	O & M cost:	425000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	Mandatory open space-2000sq.m
	No of trees to be cut :	0
	Number of trees to be planted :	250
	List of proposed native trees :	Referred below
	Timeline for completion of plantation :	Tiil the end of construction phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia grandis	Pink shower	15	Drought tolerant, ornamental & medicinal plant
2	Michelia champaca	Champa	15	Evergreen timber plant, ornamenta
3	Mimusopes elengii	Bakul	15	Evergreen tree, timber yielding and medicinal plant
4	Ficus benjamina	Weeping fig	15	Evergreen & bird attracting tree
5	Syzygiumcumini	Jambhul	15	fruit tree & bird attracting
6	Butea monosperma	Flame tree	15	Used in pesticide & dye preparation
7	Mangiferaindica	Mango tree	15	Evergreen & bird attracting tree
8	Cassia Fistula	Golden Shower	15	Drought tolerant, ornamental & medicinal plant
9	Saracaindica	Sita ashok	15	Evergreen medicinal plant
10	Roystonearegia	Royal palm	15	Nitrogen fixer, ornamental plant
11	Manikara Zapota	Chikoo	15	Tropical fruit tree & bird attracting tree
12	Neolamarkia cadamba	Kadamba tree	15	Tropical fruit tree & bird attracting tree
13	Pongamia pinnata	karanj	15	Karanj is an important ayurvedic medicine
14	Phyllanthus officinalis	Awala	15	Evergreen medicinal and fruit plant
15	Psidium Guajava	Peru	15	Holy basil is an important medicinal
16	Azadirachta indica	Neem	15	Traditional medicinal Plant
17	Albizia Lebbeck	Shirish	15	Evergreen timber plant, ornamental
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 No-250Kva
	During Operation phase (Connected load):	2112 kw
	During Operation phase (Demand load):	1374 KVA
	Transformer:	2 Nos. of 630 KVA ,1 Nos. of 315 KVA
	DG set as Power back-up during operation phase:	1 No-250Kva
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

Total Energy Saving : i.e. (24.87 % Savings) /year

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	33000 KWH / Anum
2	Timer Logic Controller	79388 KWH / Anum
3	Electronic V3F drive for Lifts	45745 KWH / Anum
4	Solar Water Heater	645888 KWH / Anum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7230000
	O & M cost:	188610

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	6351875
2	Land	Labour Camp toilets & sanitation	480000

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3	Health and Safety	Labour Safety Equipments and training	400000
4	facility	Disinfection and Health Check-ups	51000
5	Environment Management	Environmental Monitoring cell	170000
6	Environment	Environmental Monitoring	182500

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP	40,00,000	1,10,000
2	Solid Waste Management	1 OWC	20,75,000	4,25,000
3	Landscaping	Development & maintenance of green area	22,38,652	11,452
4	Rain Water Harvesting	6 Recharge pits	4,50,000	22,500
5	Renewable Energy	Solar Hot water and solar pv	72,30,000	1,88,610
6	Environmental Monitoring	-	-	1,85,600
7	Swimming Pool	Swimming pool	12,25,000	2,40,000
8	Lightning arrester cost	Lightning arrester	1200000	-

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The site is located in Wagholi Area. The development will be accessible from 12m wide service road while the internal driveways are 6 m

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	10732.98 sq.m
	Area per car:	12.5 sq.m
	Area per car:	12.5 sq.m
	Number of 2-Wheelers as approved by competent authority:	232
	Number of 4-Wheelers as approved by competent authority:	77
	Public Transport:	NA
	Width of all Internal roads (m):	6.0m wide internal road is provided and 9.0 m. Turning radius will be provided.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8a building and construction project
	Court cases pending if any	No
	Other Relevant Informations	The project area is in a residential zone. Proposed project consists of residential building having 464 flats.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 20000 m2, FSI area of 25500 m2, Non FSI area of 17031.96 m2 and total BUA of 42531.96 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. In CER, PP has proposed to construction of drainage and storm water drain from Bhavadi Road costing 50 Lakh. PP to replae this activity with activity useful for public in vicinity like rain water harvesting, solar electricity to schools, electric crematorium etc.

2. PP to submit approved parking plan for both basements and upper floor.

3. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

4. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

5. PP to submit details of internal storm water and sewage up to final disposal point.

6. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

7. PP to obtain and submit following NOC's: (a) CFO NOC, ((b) Tree cutting.

8. PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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90th SEAC-3 meeting Day 02

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Aditya Vivaaz
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shantilal Kataria
4.Name of Consultant	Mr. Rajesh Shrivastava- Pollution & Ecology Control Services (PECS)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC obtained earlier vide SEAC-2016/C.R. 424/TC-1 Dated 24 April 2017
8.Location of the project	S. No. 92 (Part), Ravet, Pune
9.Taluka	Haveli
10.Village	Ravet
Correspondence Name:	Mr. Shantilal Kataria
Room Number:	619
Floor:	NA
Building Name:	Mayanagari
Road/Street Name:	Bajirao Road
Locality:	Sadashiv Peth
City:	Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Pimpri Chinchwad Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Ravet/EC/04/19
	Approved Built-up Area: 47405.54
13.Note on the initiated work (If applicable)	Construction initiated as per EC obtained vide No. SEAC-2016/C.R. 424/TC-1 Dated 24 April 2017. Total constructed area as on date is 14043.3 Sqm
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	14400
16.Deductions	2423.46
17.Net Plot area	11973.57
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25226.59
	b) Non FSI area (sq. m.): 22178.95
	c) Total BUA area (sq. m.): 47405.54
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25226.59
	Approved Non FSI area (sq. m.): 22178.95
	Date of Approval: 23-04-2019
19.Total ground coverage (m2)	2879.43
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24%
21.Estimated cost of the project	140000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	P+14	44.65
2	A2	LP+UP+12	38.4
3	A3	LP+UP+12	38.4
4	A4	LP+UP+12	38.4
5	Club House	G+1	6

23.Number of tenants and shops	No. of Tenements- 390 Nos No. of Shops- NIL
24.Number of expected residents / users	Residential Users- 1950 Commercial Users- NIL
25.Tenant density per hectare	125.8
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 M wide approach road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 M
29.Existing structure (s) if any	Construction initiated as per EC obtained vide No. SEAC-2016/C.R. 424/TC-1 Dated 24 April 2017. Total constructed area as on date is 14043.3 Sqm
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	175.5
	Recycled water - Flushing (CMD):	87.75
	Recycled water - Gardening (CMD):	10.8
	Swimming pool make up (Cum):	2.25
	Total Water Requirement (CMD) :	276.3
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	138.37
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	175.5
	Recycled water - Flushing (CMD):	87.75
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2.25
	Total Water Requirement (CMD) :	276.3
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	149.17
Details of Swimming pool (If any)	Area- 72.35 Sqm Depth- 1.25m & 0.6m	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	40 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	8 Nos
	Size of recharge pits :	2m x 0.9m
	Budgetary allocation (Capital cost) :	RS. 3.75 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.2 Lacs
	Details of UGT tanks if any :	Domestic UGT- 271 Cum Fire UGT- 300 Cum
35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	7051 cum/year
	Size of SWD:	1.5 m x 1.5m
Sewage and Waste water	**Sewage generation in KLD:**	236.92 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	238 KLD
	Location & area of the STP:	Shown on Plan
	Budgetary allocation (Capital cost):	Rs. 48.0 Lac
	Budgetary allocation (O & M cost):	Rs. 8.5 LAcs/Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 Kg/day
	Disposal of the construction waste debris:	Handed over to authorized agency
Waste generation in the operation Phase:	**Dry waste:**	341.25 Kg/day
	Wet waste:	585.0 Kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	21.6 Kg/day
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency
	Wet waste:	in Situ Composting
	Hazardous waste:	If generated shall be handed over to authorized agency.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be composted
	Others if any:	NA
Area requirement:	**Location(s):**	shown on Master DWG
	Area for the storage of waste & other material:	60 Sqm
	Area for machinery:	Considered in above area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12.84 Lacs
	O & M cost:	Rs. 3.8 Lacs/ Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	1334.00 Sqm
	No of trees to be cut :	NIL
	Number of trees to be planted :	Required as per Rule- 150 Nos. Plantation completed- 90 No. of trees Balance plantation- 60 Nos.
	List of proposed native trees :	List Given Below
	Timeline for completion of plantation :	Before completion of the project.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mellingtonia hortenis	Butch	33	Spreads Fragrance and is a Ornamental Plant.
2	Erythrina indica	Panghara	29	Provides Shade and is a Ornamental Plant
3	Anthrocephalus kadamba	Kadamba	8	Provides Shades and the flowers are used in perfumes. The tree is grown as an ornamental plant and for timber and paper-making.
4	Bauhinea blakena	Kanchan	14	Longitudinally fissured bark , leaves are sub orbicular ,Bark is useful for treatment of malaria ,dysentery and diarrhoea and also to make fibre ,tree is extremely drought resistant
5	Michelia champaca	Sonchafa	14	It is best known for its strongly fragrant yellow or white flowers. It is, however, primarily cultivated for its timber, and is also used in urban landscaping. Its aril-covered seeds are highly attractive to birds.
6	Ailanthus excesla	Mahurakh	8	Fruiting tree, the coconut palm has been recognized as a top immune booster, antifungal, antibiotic, antiviral and antibacterial remedy .
7	Swetenia mahogany	Mahagony	14	Used to provide shade , Medium-sized semi-evergreen tree. It is used for ship making and furniture making work.
8	Cassia fistula	Bahava	6	Flowering, Medium sized deciduous tree
9	Dillenia Indica	Karmal	8	Fruiting, Medium sized tree, Bird attractor
10	Lagerstroemia Indica	Tamhan	8	Flowering tree, Medium sized, Indigenous tree
11	Mimusops Elengii	Bakul	4	Flowering, Bird and butterfly attractor, Evergreen tree
12	Mongifera Indica	Mango	4	Fruiting tree, Medium to big size tree, Bird attractor
45.Total quantity of plants on ground				

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46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Allgmanda (yellow)	0.7 m	NA
2	Murayya exotica	0.7 m	NA
3	Eranthemum albo marginatum	0.7 m	NA
4	Hedechium coronarium	0.7 m	NA
5	Nerium oleander	0.75 m	NA
6	Tobernemontana coronaria	0l75 m	NA
7	Stachyterphata	0.45 m	NA
8	Ophiopogon Jaburan	0.35 m	NA
9	Salvia (Red)	0.30 m	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	40 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	2542.92
	During Operation phase (Demand load):	1240.2
	Transformer:	630 KVA x 2 Nos
	DG set as Power back-up during operation phase:	200 KVA x 1 Nos
	Fuel used:	HSd
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.
2. Light Emitting Diode (LED) will be used for corridors ,Lobbies and common areas.
3. All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps.
4. Energy efficient cfl/t5/led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs. LPD of 7.5 W/sq.mtr. in Residential areas & 10.8 W/sq.mtr. in Office areas is proposed.
5. All cables will be derated to avoid heating during use. This also indirectly reduces losses and improves reliability. To achieve the same we have considered current carrying capacity of all the cables laid through ground/air whichever is minimum.
6. 125 Ltrs Solar water is provided for each flat .
7. Solar PV panel system is proposed for Street lighting & Building common lighting.

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49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Water Heater	561319.69
2	Solar PV	22296
3	Energy Efficient Light Fittings	106801.92
4	Total Energy Saving	690417.61
5	Total Percentage of saving	26%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 88.11 Lacs
	O & M cost:	RS. 7.7 Lacs/ Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & labour	Water Requirement	2.0
2	Site Sanitation , Disinfection & Safety	Health & Safety	2.5
3	Environmental Monitoring	Pollution Monitoring & Control	2.06
4	Environmental Monitoring Cell	Health & Safety	1.63
5	Health Check-Up	Health & Safety	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	3.75	1.2
2	Sewage Treatment Plant	Waste Water Management	48	8.5
3	Organic Waste Composting	Solid Waste Management	12.84	3.8
4	Tree Plantation	Landscape Development	20.5	2.0
5	Energy Saving	Energy Conservation	88.10	7.7
6	Environmental Monitoring	Pollution Control	0.00	2.88

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	**Number and area of basement:**	NIL
	Number and area of podia:	1063.43 Sqm Total- 2 Nos
	Total Parking area:	10809.0 Sqm
	Area per car:	12.5 Sqm
	Area per car:	12.5 Sqm
	Number of 2-Wheelers as approved by competent authority:	780 Nos
	Number of 4-Wheelers as approved by competent authority:	233 Nos
	Public Transport:	No
	Width of all Internal roads (m):	7.5 M & 6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 14400 m2, FSI area of 24814.77 m2, Non FSI area of 24091.11 m2 and total BUA of 48905.88 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

During discussion following points emerged:

1. Basement parking is approved subject to approval by local planning authority.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

1) Basement parking is approved subject to approval by local planning authority.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000292

90th SEAC-3 meeting Day 02

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for proposed residential project "Puraniks Abitante II" on S. No. 233/1, 233/2, 233/3, 233/4, 233/5, 233/6, 233/7, 235/1, 235/2/A, 235/2/B & 244/2 at Bavdhan (BK), Tal- Mulshi, Dist. Pune by PURANIK BUILDCON PVT. LTD.

Is a Violation Case: No

1.Name of Project	PURANIK ABITANTE PHASE II
2.Type of institution	Private
3.Name of Project Proponent	Shailesh G. Puranik, PURANIK BUILDCON PVT. LTD.
4.Name of Consultant	Dr. D. A. Patil, MAHABAL ENVIRO ENGG. PVT. LTD.
5.Type of project	Residential project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 233/1, 233/2, 233/3, 233/4, 233/5, 233/6, 233/7, 235/1, 235/2/A, 235/2/B & 244/2 at-Bavdhan (BK), Tal- Mulshi, Dist. Pune, Maharashtra
9.Taluka	Mulshi
10.Village	Bavdhan (BK)
Correspondence Name:	Smt. Amita Ambekar
Room Number:	-
Floor:	-
Building Name:	Puraniks One, Kanchan Pushp, Near Suraj Water Park,
Road/Street Name:	Ghodbunder Road, Thane
Locality:	Kavesar
City:	Thane (W) 400607
11.Whether in Corporation / Municipal / other area	Pune Metropolitan Region Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	Plan is approved from PMRDA vide No. BMU/ C.R. No. 1521/18-19 Village-Bavdhan (BK) S. No./G. No./CTS No. 233/1 & others dated 28/02/2019
	IOD/IOA/Concession/Plan Approval Number: PMRDA vide No. BMU/ C.R. No. 1521/18-19 Village-Bavdhan (BK) S. No./G. No./CTS No. 233/1 & others dated 28/02/2019
	Approved Built-up Area: 240063.71
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plan is approved from PMRDA vide No. BMU/ C.R. No. 1521/18-19 Village-Bavdhan (BK) S. No./G. No./CTS No. 233/1 & others dated 28/02/2019
15.Total Plot Area (sq. m.)	1,25,497.00 m2
16.Deductions	55091.68 m2
17.Net Plot area	70,405.32 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,38,394.47 m2
	b) Non FSI area (sq. m.): 1,01,669.24 m2
	c) Total BUA area (sq. m.): 234539.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,38,394.47 m2
	Approved Non FSI area (sq. m.): 1,01,669.24 m2
	Date of Approval: 28-02-2019
19.Total ground coverage (m2)	18970.89 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15.12 %
21.Estimated cost of the project	7311300000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	TYPE A	3P+20	69.05 m
2	TYPE B	3P+20	69.05 m
3	TYPE C	5P+20	69.05 m
4	TYPE D	5P+20	69.05 m
5	TYPE E	5P+20	69.05 m
6	TYPE F	5P+20	69.05 m
7	TYPE G	5P+20	69.05 m
8	TYPE H	P+22	68.25 m
9	TYPE I	P+22	68.25 m
10	TYPE J	P+22	68.25 m
11	TYPE K	3P+20	69.05 m
12	TYPE L	P+22	68.25 m
13	TYPE M	P+22	68.25 m

23.Number of tenants and shops	Flats: 2,050 Nos.
24.Number of expected residents / users	Population: 9,934 Nos.
25.Tenant density per hectare	291 / Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m wide existing road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Vacant plot
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Bavdhan Gram Panchayat
	Fresh water (CMD):	898 KLD
	Recycled water - Flushing (CMD):	449 KLD
	Recycled water - Gardening (CMD):	41 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1,388 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	754 KLD
Wet season:	**Source of water**	Bavdhan Gram Panchayat
	Fresh water (CMD):	898 KLD
	Recycled water - Flushing (CMD):	449 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1,347 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	795 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon – 8 m b.g.l. & Post-monsoon – 6 m b.g.l.
	Size and no of RWH tank(s) and Quantity:	3 RWH tank with total capacity: 304 m3
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	8 Nos.
	Size of recharge pits :	1.5m X 1.5m X 3.3m
	Budgetary allocation (Capital cost) :	Rs. 8 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakh/yr
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	South West to North East
	Quantity of storm water:	5,388.81 m3/hr
	Size of SWD:	300 mm x 400 mm
Sewage and Waste water	**Sewage generation in KLD:**	1,257 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	4 STP's of total 1,280 KLD capacity
	Location & area of the STP:	Ground Floor , Total Area provided: 765 m2
	Budgetary allocation (Capital cost):	Rs. 338 Lakh
	Budgetary allocation (O & M cost):	Rs.46 Lakh/y
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris : 10,135 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for leveling purposes
Waste generation in the operation Phase:	**Dry waste:**	1,987 kg/d
	Wet waste:	2,980 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13 m3/day
	Others if any:	Household E-Waste Generation

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Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to authorized recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and will be used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB (if any).
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	250 m2
	Area for machinery:	105 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 120 Lakh
	O & M cost:	Rs. 48 Lakh/y

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	RG area required: 8,282.98 m2 & RG area provided: 8,282.98 m2
	No of trees to be cut :	Trees on site: 45 Nos., Trees to be cut: 3
	Number of trees to be planted :	New Trees to be planted: 894 Nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	4-5 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonia scholaris	Satvin	36	Shady, large evergreen tree, white fragrant flowers
2	Areca Catechu	Indian nut	125	Shady palm Tree
3	Azadirachta Indica	Neem	14	Hardy evergreen tree, has medicinal properties
4	Bambusa Vulgaris	Bamboo	33	Species for erosion control
5	Bauhinia Purpurea	Orchid	40	Flowering plant.
6	Ziziphus mauritiana	Bori	15	Tropical fruit tree species
7	Cassia fistula	Bahava	49	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant
8	Cocus Nucifera	Coconut	75	A fruit bearing tree
9	Delonix Regia	Gulmohar	50	Species of flowering plant
10	Erythrina indica	Pangara	9	Medium sized deciduous tree. Bright scarlet flowers.
11	Ficus Benjamina	Weeping fig	20	A very large and stately tree for parks and other urban situations
12	Jacarnda Mimosifolia	Indigo	36	Flowering plant.
13	Largestromea Speciosa	Tamhan	39	A fruit bearing tree
14	Mangifera Indica	Mango	8	An evergreen fruit bearing tree
15	Michelia Champaka	Champak	70	Flowering plant.
16	Millingtonia Hortensis	Jasmine	28	Flowering plant.
17	Peltophorum	Copper pod	13	Flowering plant.
18	Plumeria Alba	Frangipani	20	Flowering plant.
19	Plumeria Rubra	Red jasmine	10	Flowering plant.
20	Polyalthia longifolia	False Ashoka	95	Effective in alleviating noise pollution
21	Pongamia pinnata	Karanj	31	Shady tree
22	Syzygium Cumini	Jaamun Tree	33	Fruit tree attracting birds
23	Terminalia catappa	Almond	19	Fruits with edible almonds
24	Terminalia Mantelay	Madagascarf Almond	26	Deciduous or evergreen shady tree
45.Total quantity of plants on ground				

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46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	78.25 kW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	14.76 MW
	During Operation phase (Demand load):	6.13 MW
	Transformer:	8 X 1000 kVA and 1 X 630 kVA
	DG set as Power back-up during operation phase:	2 x 320 kVA , 2 x 250 kVA and 1 x 450 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	YES

48.Energy saving by non-conventional method:

Solar Water heating system for residential buildings
Solar PV panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	26 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 160 lakh
	O & M cost:	Rs. 1.5 Lakh/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	10

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2	Site sanitation (Toilets)	Toilets, STP etc.	8
3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	6
4	Potable Water Supply to Labour Camp	-	10
5	Health check-up & first aid	-	2.5
6	Safety Personal Protective Equipment	Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.	18
7	Traffic Management	-	4
8	Safety nets	-	12
9	Solid Waste Management & Site maintenance activity	-	4.5
10	Safety - Training to Workers (Twice in Year), Safety Officer	-	8

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary treatment)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS, FC, Nitrate, Phosphate and O&G	338	46
2	Solar System	Weekly	160	1.5
3	Rain Water Harvesting	During rainy season (cleaning)	8	0.5
4	Solid waste Composting plant	Continuous O & M	120	48
5	Landscape development	Daily	85	8
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	6

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	18 m wide road
Parking details:	**Number and area of basement:**	Not proposed
	Number and area of podia:	Podium area: 69,150.26 m2 (1 Podium to Type H, I, J, L & M Bldgs., 3 Podiums to Type A, B & K Bldgs. and 5 Podiums to C, D, E, F, & G Bldgs.)
	Total Parking area:	19,498.80 m2
	Area per car:	12.5 m2 (Car) , 2.0 m2 (Scooter), 0.70 m2 (Cycle)
	Area per car:	12.5 m2 (Car) , 2.0 m2 (Scooter), 0.70 m2 (Cycle)
	Number of 2-Wheelers as approved by competent authority:	Req: 3,194 Nos. and provided: 3,194 Nos.
	Number of 4-Wheelers as approved by competent authority:	Req: 870 Nos. and provided: 870 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m and 9 m wide driveways
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	No court orders are pending against the project.
	Other Relevant Informations	-

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

*The proposal was **deferred** as the SEAC-3 members has not received copy of the EIA Report.*

DECISION OF SEAC

*The proposal was **deferred** as the SEAC-3 members has not received copy of the EIA Report.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000292

90th SEAC-3 meeting Day 02

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Hospital construction

Is a Violation Case: Yes

1.Name of Project	Acharya Vinoba Bhave Rural Hospital attached to Jawaharlal Nehru Medical College
2.Type of institution	Private
3.Name of Project Proponent	Dean
4.Name of Consultant	Pollution & Ecology Control Services
5.Type of project	Teaching Hospital
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Khasra no. 410 at Sawangi (Meghe), Wardha
9.Taluka	Wardha
10.Village	Sawangi (Meghe)
Correspondence Name:	Datta Meghe Institute of Medical Sciences (Deemed University)
Room Number:	Atrey Layout, Pratapnagar
Floor:	NA
Building Name:	NA
Road/Street Name:	Ring Road
Locality:	Atrey Layout, Pratapnagar
City:	Nagpur
11.Whether in Corporation / Municipal / other area	Gram Panchayat
12.IOD/IOA/Concession/Plan Approval Number	7/12 - Gut No. 410
	IOD/IOA/Concession/Plan Approval Number: Approval date - 19-05-1997
	Approved Built-up Area: 47627
13.Note on the initiated work (If applicable)	? Total land Area : 54,135 sq.m (13.38 Acres) ? Total Built up Area (Hospital) : 47,627 sq. m (As per Sanctioned Drawing) ? Built up Area before EIA Notification 14.09.2006 : 20,029 Sq. M. ? Built up Area After EIA Notification 14.09.2006 : 27,598 Sq.m. ? Total Built up Area (Hospital) : 47,627 sq. m (As per Sanctioned Drawing) ? Under violation as per EIA Notification 2006: Built up area is :- 27,598 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Gram Panchayat
15.Total Plot Area (sq. m.)	54,135 sq.m
16.Deductions	16,240 Sq.m.
17.Net Plot area	37,895 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 75790 Sq. M. (As per DCR rules for medical institutions)
	b) Non FSI area (sq. m.): 634 Sq.m. NON FSI (in terms non hospital areas)
	c) Total BUA area (sq. m.): 47627
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 75790 Sq. M. (As per DCR rules for medical institutions)
	Approved Non FSI area (sq. m.): Not required
	Date of Approval: 19-05-1997
19.Total ground coverage (m2)	16128.25 Sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43 %
21.Estimated cost of the project	930000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Hospital Main Building Building A & C	4	16.8
2	Block 1 (Surgery Ward B)	1	3.3
3	Block 2 (Surgery Ward -A)	1	3.3
4	Ortho Building D	3	12.6
5	Ravi Nair Physiotherapy Department	3	12.6
6	Kitchen Building	3	12.6
7	Hospital Dharmashala Building G.Fl &1st Fl.	2	6.6
8	Hospital Dharmashala Building 2nd Fl.	1	5.2
9	Bungalow A1	1	3.2
10	Bungalow A2	1	3.2
11	OSD / A3 Type Quarter	1	3.2
12	New Surgery Building	6	22.65
13	Sai Temple	2	6.4
14	Doctor's Quarter - 1 (P.G. Accommodation)	3	9.6
15	Doctor's Quarter - 2 (P.G. Accommodation)\	3	9.6
16	B-Type quarter 12-13 & 14-15 (for Linen store & Laundry)	1	3.2

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	Patient - 1300 (max), Residential - 105 , Commercial - 1000 , Floating Population - 8000 .
25.Tenant density per hectare	Not Applicable, its a Teaching Hospital Project.
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 m approach road form NH-204 (20 m. Wide)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Maintained minimum turning radius of 6 mtr.
29.Existing structure (s) if any	Yes, The construction part of the project is completed hence applied under notification dated 8th March 2018 for violation cases.

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30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Maharashtra Jeevan Pradhikaran and Ground Water
	Fresh water (CMD):	628
	Recycled water - Flushing (CMD):	131
	Recycled water - Gardening (CMD):	60
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	819
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	nil
	Excess treated water	356
Wet season:	**Source of water**	Maharashtra Jeevan Pradhikaran and Ground Water
	Fresh water (CMD):	628
	Recycled water - Flushing (CMD):	131
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	Nil
	Total Water Requirement (CMD) :	759
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	nil
	Excess treated water	416
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	759	00	759	152	00	152	607	00	607
Gardening	60	00	60	60	00	60	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground Water Level : 5 to 10 m bgl
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	10 pits are provided
	Size of recharge pits :	2m X 2m X 3m Depth
	Budgetary allocation (Capital cost) :	Rs. 3,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 20,000/- per annum.
	Details of UGT tanks if any :	Under ground water tank is provided for fire fighting as per norms.
35.Storm water drainage	**Natural water drainage pattern:**	Storm water drain is constructed according to natural slope.
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	607 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	2 Nos. 1) 400 KLD and 2) 600 KLD
	Location & area of the STP:	Within the Plot Area
	Budgetary allocation (Capital cost):	Rs 2.0 Crores
	Budgetary allocation (O & M cost):	Rs 20.00 Lacs per annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction waste debris
	Disposal of the construction waste debris:	Waste debris is utilized in making of internal road
Waste generation in the operation Phase:	**Dry waste:**	445 kg/day
	Wet waste:	667 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	195 kg/day
	STP Sludge (Dry sludge):	30
	Others if any:	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	The waste have been segregate properly as per CPCB norms and disposed off to the Authorized local authority waste collection system.
	Wet waste:	The waste have been segregate properly as per CPCB norms and disposed off to the Authorized local authority waste collection system.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	The biomedical waste have been collected & segregated separately as per CPCB norms in Four different Colour bins and disposed off properly to Local Authorized Medical waste disposal Agency.
	STP Sludge (Dry sludge):	STP Dry Sludge have been used as manure for greenbelt development.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Area earmark for the bio medical waste and Solid waste separately.
	Area for the storage of waste & other material:	Area earmark for the bio medical waste and Solid waste separately.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 40 Lacs
	O & M cost:	Rs. 15 Lacs / annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	40 KLD
Capacity of the ETP:	40 KLD
Amount of treated effluent recycled :	38 KLD
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Collection tank - Settling tank - Filter tank have been constructed for treatment of waste water
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Silent DG Set	Diesel 50 ltr/day	2	15	0.15	50 degree C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	50 Ltr/day	00	50 Ltr/day

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41.Source of Fuel	Local supplier
42.Mode of Transportation of fuel to site	It is available in near by town.

43.Green Belt Development	**Total RG area :**	10036.20 Sq. M.
	No of trees to be cut :	None
	Number of trees to be planted :	About 1000 trees are planted and preserved as a part of the development. And 600 trees will be planted in future.
	List of proposed native trees :	Mango , Ashok, Jamun,\Neem, Pipal, Shisam, Gulmohar etc.
	Timeline for completion of plantation :	Not applicable

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Magnifera indica	Mango	100	Fruit giving tree
2	Sarca Asoca	Ashok	450	Semi-deciduous, Large
3	Eugenia jambolana	Jamun	50	Fruit giving, Medicinal tree
4	Azadirachta Indica	Neem	150	Medicinal tree with large canopy
5	Ficus religiosa	Pipal	10	Medicinal tree, Spiritual significance
6	Dalbergia sissoo	Shisam	25	Timber tree, Shade tree
7	Ficus Benjamina	Fig	10	Deciduous, Large
8	Melia azedarach	White Cedar	15	Medicinal tree, Timber tree
9	Terminalla catappa	Badam	25	Fruit giving, Medicinal tree
10	Delonix Regia	Gulmohar	100	Deciduous, Large
11	Pongamia pinnata	Karanji	15	Medicinal tree
12	Roystonea regia	Royal Palm	50	Deciduous, Large
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Construction Phase: 200 KVA
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Operation Phase: 3 MW
	During Operation phase (Demand load):	Operation Phase: 2.5 MW
	Transformer:	Yes, installed.
	DG set as Power back-up during operation phase:	For D. G. Sets : 2 Nos. 750 KVA , 1 No. 500 KVA, 1 No. 320 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

* 230 KVA is being generated by Solar Energy. This solar energy has been used for hospital common area, outer lighting and hot water.
* Through Wind Energy 100 KVA is acquired for Hospital common area.
* Solar water heater has been provided for Hospital for more than 20 % of the hot water demand.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Energy - Street Light and Common Area	100 KVA
2	Solar Energy for Water Heater	130 KVA
3	Wind Energy is acquired for Hospital common area.	100 KVA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Vehicular Movement	Dense plantation and Dust Suppression have been adopted to control air Pollution	About 1000 trees are planted and preserved as a part of the development. And 600 trees will be planted in future.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 1.5 Crores
	O & M cost:	Rs. 3.00 Lacs Per Annum.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	Particulate Matter	Rs. 2.00 Lacs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)

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1	Air Pollution Control	There is no air pollution except during run of D.G. sets in case of power failure	12.00	2.00
2	Water Pollution Control	STP	200.00	20.00
3	Solid Waste Management (Bio Medical Waste)	Agreement with Authorised agency to disposal of Solid waste	40.00	15.00
4	Greenbelt	Plantation	15.00	2.00
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels.	--	5.00

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The project is well connected to Tar road is connected by NH-204

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Parking details:	**Number and area of basement:**	None
	Number and area of podia:	None
	Total Parking area:	Open parking is provided which is adequate to accommodate all the vehicles, areas are demarcated for Four wheeler & Two Wheeler separately. 3 gates are provided to avoid traffic congestion and entry and exit are kept separate.
	Area per car:	As per DCR Norms
	Area per car:	As per DCR Norms
	Number of 2-Wheelers as approved by competent authority:	As per DCR Norms
	Number of 4-Wheelers as approved by competent authority:	As Per DCR Norms
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	None
	Other Relevant Informations	Application for Environmental Clearance under notification dated 8th March 2018 for Violation cases.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
15.Total Plot Area (sq. m.)	54,135 sq.m	57,665 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non FSI)	FSI area (sq. m.): 75790 Sq. M. (As per DCR rules for medical institutions) Non FSI area (sq. m.): 634 Sq.m. NON FSI (in terms non hospital areas) Total BUA area (sq. m.): 47627	FSI area (sq. m.): 69198.00 (As per DCR rules for medical institutions) Non FSI area (sq. m.): 10380.0 Total BUA area (sq. m.): 79580.00 BUA Can be constructed.

22.Number of buildings & its configuration	--	--
2.Block 1 (Surgery Ward B)	Floor 1 ht. of the bldg. 3.3 m. Not under violation	Proposed to Demolished Block 1 and Proposed New Gyenac ward & Ancillary ward building G+4 Ht of the bldg. 20 m. (5937.17 Sq.m. BUA)
3. Block 2 (Surgery Ward -A)	Floor 1 ht. of the bldg. 3.3 m. Not under violation	Proposed to Demolished Block 2 and Proposed New Cancer Hospital Floor B+G+1 and Ht.9.00 mtrs. (888.00 Sq.m. BUA)
4. Ortho Building D	Floor 3 ht. of the bldg. 12.6 m.	Floor G+3 ht. of the bldg. 16.80 m. (2389 Sq. m. BUA new proposed construction at 3rd floor)
5. Ravi Nair Physiotherapy Department	Floor 3 ht. of the bldg. 12.6 m.	Floor G+2. (1310 Sq. m. BUA new proposed construction at 2nd floor) Ht. 14.6 m.
7. Hospital Dharmashala Building G.Fl &1st Fl."	Floor 2 ht. of the bldg. 6.6 m.	Name Change : HOSPITAL CENTRAL STORE & SURGERY WARD Floor G+2 and Ht. 11.80 m.
"8. Hospital Dharmashala Building 2nd Fl."	Floor 1 ht. of the bldg. 5.2 m.	Name Change : HOSPITAL CENTRAL STORE & SURGERY WARD Floor G+2 and Ht. 11.80 m.

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

SEAC-AGENDA-0000002292

*The proposal was **deferred** as the SEAC-3 members has not received copy of the EIA & EMP Report.*
DECISION OF SEAC
*The proposal was **deferred** as the SEAC-3 members has not received copy of the EIA & EMP Report.* **Specific Conditions by SEAC:**
FINAL RECOMMENDATION
SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000292

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Residential & Commercial Project

Is a Violation Case: No

1.Name of Project	Archana Kohinoor Glory
2.Type of institution	Private
3.Name of Project Proponent	Mr Ambreshwar K Chikhale
4.Name of Consultant	Mr Rajesh Srivastav PECS- Pollution & Ecology Control Services
5.Type of project	PMC
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 38/2B+ 3A/2+3, Mohmadwadi, Pune
9.Taluka	Haveli
10.Village	Mohmadwadi
Correspondence Name:	Mr Ambreshwar K Chikhale
Room Number:	Office No 203
Floor:	2nd Floor
Building Name:	Arora Tower
Road/Street Name:	M G Road
Locality:	Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Corporation Area
12.IOD/IOA/Concession/Plan Approval Number	Pune Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Commencement certificate No. 2607/13
	Approved Built-up Area: 19851.5
13.Note on the initiated work (If applicable)	The construction of wing A is completed & construction of Wing B & C is Completed up to 2 slabs. Total construction of 12915.58 Sqm (BUA)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13800 Sqm
16.Deductions	4048.5 Sqm
17.Net Plot area	9751.55 Sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12811.5
	b) Non FSI area (sq. m.): 11055.6
	c) Total BUA area (sq. m.): 23867.11
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12811.47
	Approved Non FSI area (sq. m.): 7040.03
	Date of Approval: 11-11-2013
19.Total ground coverage (m2)	2136.47
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.91 %
21.Estimated cost of the project	485872650

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	B+G+10	33.78
2	Wing B	2B+G+10	33.55
3	Wing C	2B+G+10	33.55

23.Number of tenants and shops	No of tenants 216 No No of shops 39 Nos
24.Number of expected residents / users	Residential Users- 1080 Nos Commercial Users- 465 Nos
25.Tenant density per hectare	222 Tenements Per Hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 M wide Approach Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	Yes, new construction done as per sanction.
30.Details of the demolition with disposal (If applicable)	No Demolition is proposed in the project.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

SEAC-AGENDA-000000292

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	106.5
	Recycled water - Flushing (CMD):	60.24
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	172.74
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	100.5
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	106.5
	Recycled water - Flushing (CMD):	60.24
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	166.74
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	106.5
Details of Swimming pool (If any)	Not Proposed	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 m
	Size and no of RWH tank(s) and Quantity:	Harvesting proposed in Recycled Water Tank with filtration
	Location of the RWH tank(s):	Collected in Raw water Tank
	Quantity of recharge pits:	3 Nos
	Size of recharge pits :	2 m X 2m x 3m
	Budgetary allocation (Capital cost) :	1.95 Lac
	Budgetary allocation (O & M cost) :	0.08 Lac P.A.
	Details of UGT tanks if any :	UGT in A wing- 160 Cum UGT in B & C wing- 250 Cum
35.Storm water drainage	**Natural water drainage pattern:**	Nort to South
	Quantity of storm water:	3427.47 Cum
	Size of SWD:	P A 450 mm & 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	145.81 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	176 KLD
	Location & area of the STP:	Shown on the Plumbing Plan
	Budgetary allocation (Capital cost):	24 Lac
	Budgetary allocation (O & M cost):	2.64 Lac P. A.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	2.5 Kg/day
	Disposal of the construction waste debris:	To be disposed of through authroised agency & Recyclers
Waste generation in the operation Phase:	**Dry waste:**	262.5 Kg/day
	Wet waste:	363.09 Kg/day
	Hazardous waste:	Negligible Kg/day
	Biomedical waste (If applicable):	NIL Kg/day
	STP Sludge (Dry sludge):	15.84 Kg/day
	Others if any:	NIL

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Mode of Disposal of waste:	**Dry waste:**	To be disposed of through authroised agency & Recyclers
	Wet waste:	In-situ Composing
	Hazardous waste:	If generated, handed over to authorized agency
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15.84 Kg/day
	Others if any:	NIL
Area requirement:	**Location(s):**	As shown on the Plan
	Area for the storage of waste & other material:	42 SQM
	Area for machinery:	36 SQM
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7.66 Lac
	O & M cost:	2 Lac P. A.

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

SEAC-AGENDA-0000000292

43.Green Belt Development	**Total RG area :**	999.11 Sqm
	No of trees to be cut :	Nil
	Number of trees to be planted :	Trees to be planted as per rule-122 Nos Existing Trees- 49 Nos Hence No. of trees to be planted- 73 Nos
	List of proposed native trees :	List given Below
	Timeline for completion of plantation :	Before completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Nyctanthes arbor-tristis	Parijatak	7	This Small tree has highly fragrant flowers those attract Bees and Butterflies, Fruits attract Birds.
2	Ochna obtusata	Kanak Champa	7	Native, this shrub has yellow fragrant flowers, Host plant for Butterflies.
3	Murraya paniculatum	Kamini/Kunti	7	Native to Western Ghats, this shrub has fragrant white flowers and dense foliage. It is a host plant for Butterflies.
4	Manilkara zapota	Chickoo	7	This small tree attracts Birds and Bees. Edible Fruit.
5	Citrus limon	Lemon	7	This Shrub is used in everyday Cooking and acts as a host plant for Butterflies.
6	Bauhinia racemosa	Apta	7	Native to Pune, this Shrub has a Religious importance
7	Mimusops elengi	Bakul	7	Native, Evergreen Foliage and Flowering tree has dense branching, hence good for Wind screening. Flowers are deeply fragrant and attracts birds and Bees.
8	Pongamia pinnata	Karanj	7	Native to Pune, this Deciduous White Flowering tree . Attracts Birds and Arboreal Mammals.
9	Lagerstroemia reginae	Tamhan	7	This Purple Flowering plant is the State flower of Maharashtra.
10	Cassia fistula	Bahava	7	This Flowering and Deciduous tree has beautiful Yellow chandeliers in Summers. Good perching site for Birds.
11	Erythrina variegata	Pangara	3	Native to Western Maharashtra, this Reddish-Orange Flowering and Deciduous tree attracts lot of Birds for the Nectar.
45.Total quantity of plants on ground				

SEAC-AGENDA-0000001192

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2

1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	30 KVA
	During Operation phase (Connected load):	704.14 KW
	During Operation phase (Demand load):	530.55 KVA
	Transformer:	630 KVA- 1 No
	DG set as Power back-up during operation phase:	100 KVA- 1 No
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Common area lighting such as parking, stairways, passages etc shall be provided with LED bulbs
• LED for entire Drive way and internal roads and pathways
• Solar Water heating system shall be provided for entire scheme as per norms
• Energy efficient pumps.
• Timer for Staircase lighting, Lift Lobby, Parking area and street lights.
• Energy saving devices for passenger lifts.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	17.64 %
2	Solar street lights	1.69 %
3	P V Generation	0.11 %
4	Total percentage of saving	19.43 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 23.28 Lacs
	O & M cost:	Rs. 0.48 Lacs/Annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for construction & Labour	Water Requirement	1.22
2	Site Sanitation & Safety	Health & Safety of Labour	1.60
3	Environmental Monitoring	Pollution Monitoring & Control	1.80
4	Disinfection	Health & Safety of Labour	0.5
5	Health Check up	Health & Safety of labour	0.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	1.95	0.08
2	Sewage Treatment Plant	Waste water treatment	24	2.64
3	Organic Waste Composting	Solid waste management	7.66	2
4	Tree Plantation	Landscape development	7.49	0.37
5	Energy saving	Energy Conservation measures	23.28	0.48
6	Environment Monitoring	Pollution monitoring & Control	0.0	1.80

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2

SEAC-AGENDA-0000000252

Parking details:	**Number and area of basement:**	2 Basements of area- 3801.61 Sqm
	Number and area of podia:	Nil
	Total Parking area:	3476 Sqm
	Area per car:	12.51 Sqm
	Area per car:	12.51 Sqm
	Number of 2-Wheelers as approved by competent authority:	1118 Nos
	Number of 4-Wheelers as approved by competent authority:	1888 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum 6 m in width
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Nil
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC AGENDA-0000000292

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 13800 m2, FSI area of 12811.5 m2, Non FSI area of 11055.6 m2 and total BUA of 23867.11 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion following points emerged:

1. PP to obtain CFO NOC for the proposed construction.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

1) PP to obtain CFO NOC for the proposed construction.

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Proposed Residential Project

Is a Violation Case: No

1.Name of Project	Green County (Phase - II)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kamlesh Shriniwas Khatod
4.Name of Consultant	Mr Rajesh Srivastav (Pollution & Ecology Control Services - PECS)
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 171/7/2, 7/3, 7/4, 7/1, & 171/6K, Pune - Saswad Road, Bhekrai Nagar
9.Taluka	Haveli
10.Village	Fursungi
Correspondence Name:	Mr. Kamlesh Shriniwas Khatod
Room Number:	Office No. 803
Floor:	-
Building Name:	City Square
Road/Street Name:	CTS No. 1723
Locality:	Near Zenith Complex, Shivaji Nagar
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: BHA/C.R.NO-758/15-16 Phursungi, Dated 04.08.2016
	Approved Built-up Area: 14172.36
13.Note on the initiated work (If applicable)	Work Initiated as per Sanction Plan. Completed construction of 14172.36 as per previous sanction.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	N.A.
15.Total Plot Area (sq. m.)	15900 sqm
16.Deductions	0 sqm
17.Net Plot area	15900 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 24967.30
	b) Non FSI area (sq. m.): 14068.13
	c) Total BUA area (sq. m.): 39035.43
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9585.65 Sqm (Bldg A&C)
	Approved Non FSI area (sq. m.): 4586.71 Sqm (Bldg A&C)
	Date of Approval: 04-08-2016
19.Total ground coverage (m2)	3816 sqm
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	24.16 %
21.Estimated cost of the project	602500000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	G + 11	34.8 m
2	B	G + P + 12	40.05 m
3	C	G + 9	28.5 m
4	Club House	G + 1	-

23.Number of tenants and shops	Residential Tenements - 407 No. of Shops - 0
24.Number of expected residents / users	Residential Users - 2035 Commercial Users- NIL
25.Tenant density per hectare	256
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Building A & Building C - As Per Sanction Plan
30.Details of the demolition with disposal (If applicable)	N.A.

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	162.36
	Recycled water - Flushing (CMD):	81.18
	Recycled water - Gardening (CMD):	9.54
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	243.54
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	128.466
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	162.36
	Recycled water - Flushing (CMD):	81.18
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	243.54
	Fire fighting - Underground water tank(CMD):	250
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	138.006
Details of Swimming pool (If any)	N.A.	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season – 13.33 m. to 15.67 m. BGL. (14.50 M. BGL Average) Rainy Season – 6.33 m. to 8.33 BGL. (7.33 M. BGL Average) Winter Season – 9.83 m. to 12.00 m. BGL. (10.915 M. BGL Average)
	Size and no of RWH tank(s) and Quantity:	N.A.
	Location of the RWH tank(s):	N.A.
	Quantity of recharge pits:	7 Nos.
	Size of recharge pits :	Size: 2.00 m. X 2.00 m. X 2.00 m. Depth with 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Depth.
	Budgetary allocation (Capital cost) :	875000
	Budgetary allocation (O & M cost) :	50000
	Details of UGT tanks if any :	Domestic - 203 cum Fire - 250 cum
35.Storm water drainage	**Natural water drainage pattern:**	South to North
	Quantity of storm water:	8,100.20m3 / Year i.e. 162.00m3 / Day Considering 849.30 mm annual rain fall in 50 days averagely
	Size of SWD:	450 - 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	243.54
	STP technology:	MBBR
	Capacity of STP (CMD):	260 KLD (Split into phase-I 130 KLD & Phase-II 130 KLD)
	Location & area of the STP:	Shown on Plan
	Budgetary allocation (Capital cost):	1450000
	Budgetary allocation (O & M cost):	During DLP- For Phase-1 60000/- For phase-II 65000/- 1st year after DLP For Phase-1 66000/- For phase-II 72000/- 2nd year after DLP For Phase-1 74000/- For phase-II 80000/- 3rd year After DLP For Phase-1 82000/- For phase-II 89000/- 4th year After DLP For Phase-1 91000/- For phas

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	5 kg/day
	Disposal of the construction waste debris:	Through Authorised Agency - Elaborated in Debris Management Plan
Waste generation in the operation Phase:	**Dry waste:**	407 kg/day
	Wet waste:	611 kg/day
	Hazardous waste:	Negligible
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	75 kg/day
	Others if any:	E- Waste-1018 Kg/Year

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Mode of Disposal of waste:	**Dry waste:**	Through Authorised Agency
	Wet waste:	In-situ Composting
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	N.A.
Area requirement:	**Location(s):**	Shown on Plan
	Area for the storage of waste & other material:	60 sqm
	Area for machinery:	Considered in Above Area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2075000
	O & M cost:	430920

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	1597.51 Sqm
	No of trees to be cut :	0
	Number of trees to be planted :	187
	List of proposed native trees :	Elaborated Below
	Timeline for completion of plantation :	Before Completion of Project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ANNONA RETICULATA	Ramphal	3	Fruit bearing Tree attracts birds
2	ANONA SQUAMOSA	Sitaphal	3	Fruit bearing Tree attracts birds
3	BAUHINIA TOMENTOSA	Piwla Kanchan	25	Small Flowering Tree
4	BAUHINIA VARIEGATA	Kanchan	19	Flowering Shade Tree
5	CASSIA FISTULA	Amaltas	11	Brilliant Seasonal flowering
6	EMBLICA OFFICINALIS	Awala	6	Fruit bearing Tree attracts birds
7	LAGERSTROEMIA FLOS REGINAE	Tamhan	35	Official State Tree
8	MICHELIA CHAMPACA	Sonchapha	19	Fragrant Flowering Tree
9	MIMUSOPS ELENGI	Bakul	11	Fragrant Flowering Tree
10	MORUS ALBA	Mulberry	5	Fruit bearing Tree attracts birds
11	MUTINGIA CALABURA	Cherry	5	Fruiting for birds
12	PONGAMIA GLABRA	Karanj	16	Native Evergreen Tree
13	PTEROSPERMUM ACERIFOLIUM	Kanak Champa	11	Pollinated by bats
14	SARACA INDICA	Sita ashok	9	Small Flowering Tree
15	SYZIGIUM CUMINII	Jamun	4	Fruit bearing Tree attracts birds
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	N.A.	N.A.	N.A.

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	50 KW
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	1684.47 KW
	During Operation phase (Demand load):	1184.96 KVA
	Transformer:	630 KVA x 2Nos
	DG set as Power back-up during operation phase:	1No. x 160 KVA FUEL CONSUMPTION=36.6 Ltrs/hr
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	High Tension Line is Passing through plot. Required Set-Back Margin as per MSEDCL is provided.

48.Energy saving by non-conventional method:

1. Use of LED lamps for common area (Club House, Landscape, Stair-case, Lift lobby, Passage, Parking Area Lightings etc.)
2. Use of Solar Panels for Hot Water.
3. LED Street Lights.
4. PV Generation

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	% Saving by using energy saving practices	21.97 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1120000
	O & M cost:	112000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Construction & labour	Water Requirement	2.00
2	Site Sanitation & Safety	Health & Safety	1.60
3	Environmental Monitoring	Pollution Monitoring & Control	1.80
4	Disinfection	Health & Safety	0.50

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5	Health Check-Up	Health & Safety	0.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	RWH Pits	8.75	0.50
2	Sewage Treatment Plant (Only Electro-Mechanical Cost, Excluding Civil Cost)	Waste Water Management	14.50	1.89
3	Organic Waste Composting	Solid Waste Management	20.75	4.31
4	Tree Plantation	Landscape Development	22.0	3.00
5	Energy Saving	Energy Conservation	11.20	1.12
6	Environmental Monitoring	Pollution Control	0.00	1.80
7	Storm Water & Sewer Line	Laying of Storm Water & Sewer Line upto Final Disposal Point	9.20	0.92

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 nos.

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Parking details:	**Number and area of basement:**	N.A.
	Number and area of podia:	1 nos. of Podium for Building B with Area – 2624.61 sq.m.
	Total Parking area:	5455.5 sqm
	Area per car:	12.5 sqm
	Area per car:	12.5 sqm
	Number of 2-Wheelers as approved by competent authority:	788 No.s
	Number of 4-Wheelers as approved by competent authority:	230 No.s
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 15900 m2, FSI area of 24967.30 m2, Non FSI area of 14068.13 m2 and total BUA of 39035.43 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit details of internal layout of storm water up to final disposal point with details of RHW pits for recharge of rain water from terrace and from surface.

2. PP informed that the existing STP will be refurbished for additional capacity. PP to submit details of the same.

3. PP to submit details of water treatment plant.

4. PP to submit details of UGT.

5. PP to submit survival report of existing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000292

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Expansion in Environmental Clearance of SEZ-IT/ITES Project by Nalanda Shelter Private Limited

Is a Violation Case: No

1.Name of Project	SEZ-IT/ITES Project by Nalanda Shelter Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Alok Nayak – M/s Nalanda Shelter Private Limited
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd, Thane Maharashtra
5.Type of project	SEZ- IT/ITES
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes – Environment Clearance vide no. SEIAA-EC-0000000285 Dated 04th May 2018
8.Location of the project	S. No. 128 (P),129 (P),130(P), 131 (P)
9.Taluka	Mulshi
10.Village	Hinjawadi
Correspondence Name:	Nalanda Shelter Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	Blue Ridge,
Road/Street Name:	Rajiv Gandhi Infotech Park- Phase 1
Locality:	Hinjawadi
City:	Pune
11.Whether in Corporation / Municipal / other area	Hinjawadi Grampanchayat (SEZ Notified area – Approval Authority MIDC)
12.IOD/IOA/Concession/Plan Approval Number	Received IOD from Maharashtra Industrial Development Corporation
	IOD/IOA/Concession/Plan Approval Number: IIOD Reference No. MIDC/RO(II)/962/2019 Dated 06.02.2019
	Approved Built-up Area: 217794
13.Note on the initiated work (If applicable)	Construction of compound wall is in progress.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD Reference No. MIDC/RO(II)/962/2019 Dated 06.02.2019
15.Total Plot Area (sq. m.)	42,632 m2
16.Deductions	340 m2
17.Net Plot area	42,292 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,27,475 m2
	b) Non FSI area (sq. m.): 90,916 m2
	c) Total BUA area (sq. m.): 218391
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 1,26,878 m2
	Approved Non FSI area (sq. m.): 90,916 m2
	Date of Approval: 06-02-2019
19.Total ground coverage (m2)	17,377 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41%
21.Estimated cost of the project	7693400000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower A	Basement + Ground + Podium 1 + Podium 2 + 12 Floors	65.7
2	Tower B	Basement + Ground+ Podium 1 + Podium 2 + Podium 3+ Podium 4 + 9 Floors	63.10
3	Cafeteria	Basement + Ground+ 1 Floor	12.9
4	Visitor Plaza	Ground + 1 Floor	8.7

23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	Total nos. of population: 16,365 Nos. (Commercial users: 14,877 Nos. Floating population: 1,488 Nos)
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m wide DP Road and 9 & 12 m wide internal roads
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m, 12 m
29.Existing structure (s) if any	Yes – Temporary shed present at proposed project site
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Irrigation Dept. Pune
	Fresh water (CMD):	409 m3/day
	Recycled water - Flushing (CMD):	327 m3/day
	Recycled water - Gardening (CMD):	21 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	736 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3/day
	Fire fighting - Overhead water tank(CMD):	90 m3/day
	Excess treated water	0 m3/day
Wet season:	**Source of water**	Irrigation Dept. Pune
	Fresh water (CMD):	409 m3/day
	Recycled water - Flushing (CMD):	327 m3/day
	Recycled water - Gardening (CMD):	11 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	736 m3/day
	Fire fighting - Underground water tank(CMD):	300 m3/day
	Fire fighting - Overhead water tank(CMD):	90 m3/day
	Excess treated water	0 m3/day
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10 m below ground level
	Size and no of RWH tank(s) and Quantity:	2 Nos.
	Location of the RWH tank(s):	On ground
	Quantity of recharge pits:	25 Nos.
	Size of recharge pits :	1.5 m x 1.5 m x 3 m depth
	Budgetary allocation (Capital cost) :	Rs. 7 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh
	Details of UGT tanks if any :	Domestic – 614 m3 Flushing – 327 m3 Soft Water Tank for HVAC – 420 m3 Firefighting UGT-300 m3
35.Storm water drainage	**Natural water drainage pattern:**	Along with contour
	Quantity of storm water:	1.15 m3/sec
	Size of SWD:	750 mm
Sewage and Waste water	**Sewage generation in KLD:**	663 m3/day
	STP technology:	Moving Bed Bio Reactor
	Capacity of STP (CMD):	1 no. x 700 m3/day
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 175 Lakh
	Budgetary allocation (O & M cost):	Rs. 19 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1,05,000 m3
	Disposal of the construction waste debris:	Top soil will be used for backfilling and leveling of the plot.
Waste generation in the operation Phase:	**Dry waste:**	1,963 kg/day
	Wet waste:	1,309 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	7 kg/day
	Others if any:	E Waste - 63 kg/day

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler for further handling and purpose
	Wet waste:	Wet waste composted through Organic Waste Convertor. Generated manure will be used for gardening purpose
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
	Others if any:	E- Waste handed over to authorized recycler
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	150 m2
	Area for machinery:	30 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 22 Lakh
	O & M cost:	Rs. 6 Lakh/year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	4, 249 m2
	No of trees to be cut :	Nil
	Number of trees to be planted :	570 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months after completion of civil work

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia purpurea	Raktkanchan	21	Fast growing deciduous tree with bright (purple-pink) orchid like flowers
2	Dillenia indica	Karmal	42	Large leaf, evergreen fruit bearing tree, commonly known as elephant apple
3	Michelia champaca	Sonchafa	27	Graceful evergreen tree bearing fragrant flowers
4	Lagerstroemia speciosa	Tamhan	36	Large tropical flowering tree,official state tree having medicinal properties
5	Drypetes roxburghii	Putranjiva	19	Medium sized evergreen tree with cascading foliage (pendant like branches)
6	Cassia fistula	Bahava	22	Tropical ornamental tree with bright, yellow, fragrant flowers; attracts bees and butterflies
7	Butea monosperma	Palas	7	Flame of the forest, medium sized deciduous tree with bright orange colored flowers
8	Mesua ferrea	Naagkeshar	27	Evergreen, ornamental tree with white color fragrant flower; having medicinal property
9	Syzycium cumini	Jambhul	6	Evergreen, tropical, fruit bearing tree. having medicinal properties. attracts birds
10	Albizia lebbeck	Shirish	38	Large evergreen tree. widespread, dense foliage provide shade
11	Dalbergia sissoo	Sisu	14	Large deciduous tree with dense foliage provide shade, having medicinal property
12	Mimusops elengi	Bakul	34	Small, shady tree with shiny green leaves having star shape fragrant flowers, having medicinal property
13	Phyllanthus emblica	Awala	7	Medium sized deciduous tree with spherical, light greenish yellow fruits, having medicinal property
14	Azardiachta indica	Kadulimb	32	Draught tolerant tree, having list of medicinal properties

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15	Erythina variegata	Pangara	8	High ornamental value, broad and spreading, deciduous, flowering tree
16	Saraca indica	Sita-Ashok	27	Small, evergreen tree with orange and scarlet clustered fascinating flowers
17	Thespesia populnae	Raanbhendi	17	Evergreen bushy tree with heart shape leaf and yellow color flowers
18	Annona reticulata	Ramphal	12	Small, deciduous, fruit bearing tree; having medicinal properties
19	Magnifera indica	Aamba	4	Large, evergreen, dense shade, juicy stone fruit tree; having medicinal properties
20	Melia dubia	Mahaneem	44	Tall, very fast growing, evergreen tree; having commercial values
21	Pongamia pinnata	Karanj	26	Fast growing, deciduous, drought tolerant evergreen tree with shiny leaf & pink-white flowers
22	Khaya grandis	Mohgani	39	Tall, fast growing, semi-evergreen tree with shining leaves
23	Aegle marmelops	Beal	18	Hardy, evergreen tree; having medicinal properties
24	Bauhinia racemosa	Apta	7	Small flowering tree with medicinal and religious importance
25	Limonia acidissima	Kawath	4	Evergreen tree having medicinal properties, bearing hard rind fruit
26	Morinda pubescens	Bortondi	14	Small fruit bearing tree having drought tolerant properties
27	Semecarpus anacardium	Bibba	5	deciduous fruit bearing trees having medicinal properties
28	Santalum album	Chandan	4	Small tropical tree; having medicinal properties
29	Ficus religiosa	Pimpal	9	Large, evergreen tree; having medicinal and religious properties
30	Total	-	570	-
31	Existing Trees	-	-	-
32	Vachellia nilotica	Babhul	2	Thorny tree with Medicinal tree
33	Ficus religiosa	Pimpal	2	Large, evergreen tree; having medicinal and religious significance
34	Azadirachta indica	Kadulimb	4	Tree species with medicinal and religious significance
35	Syzygium cumini	Jambhul	2	Fruit bearing tree
36	Dalbergia sissoo	Sisam	1	Used as a timber
37	Eucalyptus sp.	Nilgiri	1	Medicinal tree
38	Ficus racemosa	Umber	1	Tree species with medicinal and religious significance
39	Total	-	13	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2

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1	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	1 x 100 kVA
	During Operation phase (Connected load):	15,908 kW
	During Operation phase (Demand load):	11,105 kW
	Transformer:	2 Nos x 22KV/11KV, 10/12.5 MVA Step down Power Transformer.
	DG set as Power back-up during operation phase:	8 nos. X 2000 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Common area lighting with LED
2. Use of energy efficient pumps and motors
3. Use of solar PV Panel
4. Maximum use of daylight

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Common area lighting with LED 2. Use of energy efficient pumps and motors 3. Use of solar PV Panel 4. Maximum use of daylight	20 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 78 Lakh
	O & M cost:	Rs. 1 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	Rs. 2.0 Lakh

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2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	Rs. 3.0 Lakh
3	-	Disinfection at site	Rs. 2.0 Lakh
4	-	Health check-up for workers, first aid kit	Rs. 2.0 Lakh
5	Environment management	For Air, Noise, Water Analysis	Rs. 2.0 Lakh
6	-	Site fencing &noise barrier	Rs. 5.0 Lakh
7	-	Traffic management	Rs. 1.0 Lakh
8	-	Storm water management	Rs. 2.0 Lakh
9	-	Vehicle maintenance, washing area, tyre cleaning	Rs. 3.0 Lakh
10	-	Tree plantation & water utilization	Rs. 10 Lakh
11	Training and awareness	Safety personal protective equipment & Training programs	Rs. 4.0 Lakh
12	Total	-	Rs. 36 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 no. of STP having capacity of 700 m3/day	Rs. 175 Lakh	Rs. 19 Lakh
2	Rain Water Harvesting	25 no. of recharge pits	Rs. 7 Lakh	Rs. 1 Lakh
3	Land Environment (Solid Waste Management)	Installation of OWC Unit	Rs. 22 Lakh	Rs. 6 Lakh
4	Environmental Monitoring	Air, Water, Noise, Soil, surface water, STP treated water etc	MoEF Approved Lab	Rs. 2 Lakh
5	Energy Conservation	Solar PV Panels for electricity generation	Rs. 78 Lakh	Rs. 1 Lakh
6	Laying of storm water line & sewer line	Laying of storm water line & sewer line upto final disposal point	Rs. 60 Lakh	Rs. 1 Lakh
7	Total	-	Rs. 342 Lakh	Rs. 30 Lakh

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 No.
Parking details:	**Number and area of basement:**	Tower A -1 No of Basement Tower B – 1 No. of Basement Cafeteria – 1 No. of Basement Total Basement Area – 15,504 m2
	Number and area of podia:	Tower A – 2 Nos. of Podium Tower B – 4 Nos. of Podium Total Podium Area – 33,272 m2
	Total Parking area:	67,627 m2
	Area per car:	35 m2 for basement parking and 30 m2 for stilt and podium parking
	Area per car:	35 m2 for basement parking and 30 m2 for stilt and podium parking
	Number of 2-Wheelers as approved by competent authority:	280 Nos.
	Number of 4-Wheelers as approved by competent authority:	2,804 Nos.
	Public Transport:	Bus facility provided by Hinjawadi Industrial Association (HIA)
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (b) B1
	Court cases pending if any	NA
	Other Relevant Informations	This project has received Environment Clearance from Ministry of Environment and Forest GoI vide no. SEIAA-EC-0000000285 Dated 04th May 2018. We are applying for expansion of SEZ-IT/ITES project.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 42,492 m2, FSI area of 1,27,475 m2, Non FSI area of 90,916 m2 and total BUA of 218391 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

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DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed development of kids gym and development of playground. PP to furnish details of gym, i.e. cost and location. PP has also proposed providing of solar energy plant, RHW system, mobile STP. PP to submit details of the same, i.e. cost of activity and place of erection. PP to delete activity of distribution of LED bulbs. PP has proposed plantation at various places. PP to give details of plantation, i.e. number of trees and location. PP has proposed OWC machines to Grampanchayat. PP to submit details of costing and location.

2. PP to submit detailed disaster management plan incorporating lightening arrester plan.

3. PP to submit details of internal layout of storm water up to final disposal point with details of RHW pits for recharge of rain water from terrace and from surface.

4. PP informed that the work will be carried out in one phase and occupation will be given only after completion.

5. PP to submit six monthly compliance reports.

6. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

7. PP to submit details of internal sewage line up to final disposal point.

8. PP to include separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; PP to submit energy modelling with write-up support to this.

9. PP to submit details of design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions.

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*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

1) .

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

90th SEAC-3 meeting Day 02

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Expansion of Residential project

Is a Violation Case: No

1.Name of Project	"Grandeview7
2.Type of institution	Private
3.Name of Project Proponent	M/s Chirag Developers
4.Name of Consultant	Sneha Hi-Tech products
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC has been obtained dated 15th June, 2018
8.Location of the project	6/4,6/5,6/6/1 TO 6/6/4,6/7,6/8,6/12,6/13,6/14,6/15 , Near Ashok Leyland Co, Ambegaon (Bk), Pune-411046
9.Taluka	Haveli
10.Village	Ambegaon (Bk)
Correspondence Name:	VINOD KUMAR JI MITTAL
Room Number:	1st floor ,
Floor:	1st floor ,
Building Name:	B uilding
Road/Street Name:	siddheshwar nagar
Locality:	Vishrantwadi
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	•PMRDA sanction Amenity buildings No. BHA/Mauje Ambegaon Bk./S.NO.6/4,6/5 and Other/C.R.NO.719/16-17.Dated.17/02/2017 for the FSI area 3869.54 sq.m non FSI area 1909.54 Sq.m. •PMC sanction Residential building CC NO. 3079/18 Dated. 03/01/2019 for the FSI area – 41678.73 sq.m and non FSI area – 37456.68 sq.m
	IOD/IOA/Concession/Plan Approval Number: as above
	Approved Built-up Area: 84760.50
13.Note on the initiated work (If applicable)	We have constructed wing A, B, C, D,E,H& Club House 1. F,G, and K wings are under construction. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	42,500
16.Deductions	Deductions :- (R. P. Road Widening) –3,541.34 m2 Gross plot area - 38,958.66 m2 Deductions (Amenity 15%) – 5,843.80 m2
17.Net Plot area	33,114.86
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 46237.59
	b) Non FSI area (sq. m.): 39737.77
	c) Total BUA area (sq. m.): 85975.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 45548.27
	Approved Non FSI area (sq. m.): 39357.13
	Date of Approval: 03-01-2019
19.Total ground coverage (m2)	10820.84 (As per 2019 building & 2017 amenity)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.78% (As per 2019 building & 2017 amenity)

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21.Estimated cost of the project	1697067000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+7	23.60M
2	B	P+7	23.60M
3	C	P+7	23.60M
4	D	P+7	23.60M
5	E	P+7	23.60M
6	H	P+9	29.50M
7	CLUB HOUSE	Ground floor	5.32M
8	F	P+14	44.65M
9	G	P+14	44.65M
10	I	P+11	35.60M
11	J	P+14	44.55M
12	K	P+14	44.50M
13	Commercial 1	B+G+3	14.55M
14	Commercial 2	G+2	12.05M
15	Commercial 3	LG+UG+2	14.45M
16	Commercial 4	B+G+3	14.40M
17	CLUB HOUSE-2	G+1	7.45 M
18	CLUB HOUSE-2	G+1	7.45 M

23.Number of tenants and shops	Existing Tenements 217 Proposed Tenements -486 No Of shops -22, Hall-9, Library-3, Gymnasium-2, Pathology Lab 3, Dispensary-4 Consulting Room 1
24.Number of expected residents / users	Existing: 1085 Proposed: 2430 Total Residential Users =3515 Total users of Amenity =595 Total Users = 4050
25.Tenant density per hectare	220
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest Fire StationKatraj-& Width of the road from the nearest fire station to the proposed building - 60m wide road of Katraj bypass highway & 24 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9M
29.Existing structure (s) if any	We have constructed wing A, B, C, D,E,H& Club House 1, Amenity 2. F,G, and K wings are under construction. As part of previous EC Environment letter No.2009/374/ CR.84/TC.1 dated 31st August, 2010

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30.Details of the demolition with disposal (If applicable)	Not any

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	PMC
	Fresh water (CMD):	325
	Recycled water - Flushing (CMD):	176
	Recycled water - Gardening (CMD):	62
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	563
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	231
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	325
	Recycled water - Flushing (CMD):	176
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	501
	Fire fighting - Underground water tank(CMD):	550
	Fire fighting - Overhead water tank(CMD):	210
	Excess treated water	293
Details of Swimming pool (If any)	• Dimension of Swimming Pool: 12.50m x6.50m X1.20m• Kids Pool: 3.0 m (Dia) X 0.6m• Total water Requirement in KLD:102• Water requirement for makeup in KLD:2.0	

33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)

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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	NA	NA	NA	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	SUMMER SEASON- 26.67M TO 31.67 M. RAINY SEASON- 8.33 M TO 17.33 M WINTER SEASON- 17.50 M TO 24.50 M
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	24 Nos.
	Size of recharge pits :	2mt X 2mt. X 2m
	Budgetary allocation (Capital cost) :	26.1Lacs
	Budgetary allocation (O & M cost) :	1.30 Lacs
	Details of UGT tanks if any :	Residential Domestic UG tank Capacity(CMD):553.00 • Flushing UG tank Capacity(CMD):158.00 • Firefighting(CMD):550 commercial • Domestic UG tank Capacity(CMD):22.31 • Flushing UG tank Capacity(CMD):17.85
35.Storm water drainage	**Natural water drainage pattern:**	S to N
	Quantity of storm water:	12.07 m3/Hr
	Size of SWD:	250-900 mm
Sewage and Waste water	**Sewage generation in KLD:**	469
	STP technology:	MBBR
	Capacity of STP (CMD):	177 & 325KL
	Location & area of the STP:	STP-1 : Near C -Wing STP- 2 : Near I -Wing
	Budgetary allocation (Capital cost):	145.08 Lacs
	Budgetary allocation (O & M cost):	17.95 Lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	37 kg/day
	Disposal of the construction waste debris:	back filling
Waste generation in the operation Phase:	**Dry waste:**	792 kg/day
	Wet waste:	1114 kg/day
	Hazardous waste:	negligible
	Biomedical waste (If applicable):	10kg/day
	STP Sludge (Dry sludge):	85.82kg/day
	Others if any:	Not any

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recyclers
	Wet waste:	Mechanical composting unit
	Hazardous waste:	Handed over to authorized recyclers
	Biomedical waste (If applicable):	Shall be stored and manage as per The Bio-Medical Waste Management(Amendment) Rules, 2018
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Not any
Area requirement:	**Location(s):**	OWC-1 :- Near E -Wing OWC- 2 :- Near k -Wing
	Area for the storage of waste & other material:	Total area requirement- 103.50 sq.m.(Storage+machine)
	Area for machinery:	Total area requirement- 103.50 sq.m (Storage+machine)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	32.46lacs
	O & M cost:	5.16Lacs

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		10 KLD			
Capacity of the ETP:		10 KLD			
Amount of treated effluent recycled :		7 KLD			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		advanced oxidation process			
Disposal of the ETP sludge		shall be handed over to authorised recycler			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	NA	NA	NA	NA	NA	NA

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	-	-	-	-
41.Source of Fuel		-		
42.Mode of Transportation of fuel to site		-		

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43.Green Belt Development	**Total RG area :**	3895.86
	No of trees to be cut :	Not any
	Number of trees to be planted :	300
	List of proposed native trees :	ENCLOSED BELOW
	Timeline for completion of plantation :	Till the completion of the project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Ailanthus Excelsa	Maharukh	34	good for road side plantation and have medicinal propoerties
2	Azadirachta indica	Neem	34	good for restoration of dryer parts, air purifier and medicinal properties
3	Bauhinia racemosa	Apta	34	Drought resistant, air purifier and medicinal properties
4	Cassia fistula	Bahava	34	medicinal properties and larval host for butter flies
5	Lagerstromia flos-Regineae	Tamhan	34	good for avenue tree plantation
6	Michelia champaca	Son Chafa	34	ornamental purpose
7	Magnifera indica	Mango	34	Fruit bearing evergreen tree
8	Acrus sapata	Chickoo	31	Fruit bearing evergreen tree
9	Phyllanthus emblica	Awala	31	fruit bearing tree, source of vitamine C, have medicinal value
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	provided in Document section	provided in Document section	provided in Document section

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	33 KW
	DG set as Power back-up during construction phase	shall be used during emergency
	During Operation phase (Connected load):	4299 KW
	During Operation phase (Demand load):	2405KW
	Transformer:	630 KVA – 4 Nos.
	DG set as Power back-up during operation phase:	1 X 140 KVA. 2 X82.5 KVA, 2 X20 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Timers and contactors will be used to switch on / off common are & external landscape and facade lighting.LED & T5 fluorescent lamps (cfl) with high frequency ballast will be used for corridors and common areas & EXTERNAL ROAD LIGHTS. All fluorescent light fixtures are specified to incorporate electronic chokes which have less watt-loss compared to electro-magnetic chokes and result in superior operating power factor. This indirectly saves energy. Electronic chokes also improves life of the fluorescent lamps.Energy efficient cfl/t5/led lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. Of fixtures and corresponding lower point wiring costs.125 Ltrs Solar water is provided for each flat .

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving	20%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
-	-	-

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 85.47 Lakhs
	O & M cost:	Rs. 7.79 Lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression Air & Noise monitoring	1.92
2	Water Environment	Tanker water for construction Water monitoring	7.8

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3	Land Environment	Site Sanitation Maintenance	5.72
4	Biological Environment	Biological Environment Gardening	3.23
5	Socio- Economic Environment	Disinfection- Pest Control First Aid Facilities Health Check Up Creche for children Personal protective equipment	3.83

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Monitoring	Ambient Air quality, Noise Level, Exhaust from DG Set, Drinking Water, Sewage from STP, As per EP act, Manure	MoEF approved laboratory	20.06
2	RWH	No. of pits	26.10	1.30
3	STP	Waste water treatment	145.08	17.95
4	Electrical	Energy saving	85.47	7.79
5	Swimming pool	Water quality monitoring	18.0	1.02
6	Solid waste	For solid waste treatment	32.46	5.16

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on 12 m wide road.

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Parking details:	**Number and area of basement:**	02 nos, 622.88 m2 (basement in Amenity 1 and 4)
	Number and area of podia:	No of Podia:01 Area of Podia:7078.00 SQ.M
	Total Parking area:	19541.82 Sq.m.
	Area per car:	Open Parking – 28.41 Covered parking- 30.49
	Area per car:	Open Parking – 28.41 Covered parking- 30.49
	Number of 2-Wheelers as approved by competent authority:	1358
	Number of 4-Wheelers as approved by competent authority:	652
	Public Transport:	Nearest Bus Stop: Ambegaon
	Width of all Internal roads (m):	6m & 7.50m driveways
	CRZ/ RRZ clearance obtain, if any:	Not any
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 42,500 m2, FSI area of 46237.59 m2, Non FSI area of 39737.77 m2 and total BUA of 85975.36 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

SEAC-AGENDA-0000000292

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed various activities like provision of toilets, water coolers, ambulance, solar power system etc. PP to submit details viz. name of school, place of erection and costing. PP has proposed one tanker to Grampanchayat. It should be replaced with provision of RWH system. PP to submit details of the same.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000292

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for Proposed SRA and Residential & Commercial Development at Sr. No. 112/A,112B & C.T.S. No. 74 to 282,336 at KalasVishrantwadi Tal – Haveli , Pune by Ajmera Bora Associates

Is a Violation Case: No

1.Name of Project	Proposed SRA and Residential & Commercial Development at Sr. No. 112/A,112B & C.T.S. No. 74 to 282,336 at KalasVishrantwadi Tal – Haveli , Pune by Ajmera Bora Associates
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ajmera Bora Associates through Mr. Sanjay Ajmera
4.Name of Consultant	Ultra-Tech (Environmental Consultancy & Laboratory) NABET/EIA/1720/RA0094
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sr. No. 112/A,112B & C.T.S. No. 74 to 282,336 at KalasVishrantwadi Tal – Haveli , Pune
9.Taluka	Haveli
10.Village	Haveli
Correspondence Name:	Ajmera Bora Associates : Address: “Akshardham Bungalow” 12/A, Yogi Park Society, North Main Road, Opp. German Bakery, Koregaon Park, Pune- 411001 Contact No.: 020-261512531 Email ID: sanjay@ajmera.com
Room Number:	12/A, Yogi Park Society
Floor:	-
Building Name:	Yogi Park Society
Road/Street Name:	North Main Road
Locality:	Koregaon Park Pune
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: 187/608/2019 Dated-7/3/2019 (Sale + SRA Building)
	Approved Built-up Area: 94653
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA Authority
15.Total Plot Area (sq. m.)	17,400.00 m2
16.Deductions	4,296.90 m2
17.Net Plot area	13,103.10 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** SRA building 21230.34
	b) Non FSI area (sq. m.): SRA building 12618.43
	c) Total BUA area (sq. m.): 33848
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 63,776.40
	Approved Non FSI area (sq. m.): SRA building : 12618
	Date of Approval: 07-03-2019
19.Total ground coverage (m2)	2,228.00 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17
21.Estimated cost of the project	468000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	SRA : Building S1	L.G. + U.G. + 3P + 16 FLRS.	58.50

23.Number of tenants and shops	Resi.- 749 Commer. – 64 Shops
24.Number of expected residents / users	Residential: 3,745 Nos. Commercial shops: 333 Nos. Total : 4,078 Nos.
25.Tenant density per hectare	450
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6.50 m
29.Existing structure (s) if any	Yes , it is redevelopment of SRA : Hunts nos. – 813 Nos.
30.Details of the demolition with disposal (If applicable)	Yes Quantity - Existing tenant will take their belongings with them

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	355.86
	Recycled water - Flushing (CMD):	189.10
	Recycled water - Gardening (CMD):	6.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	550.96
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	295.36
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	355.86
	Recycled water - Flushing (CMD):	189.10
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	544.96
	Fire fighting - Underground water tank(CMD):	300.00
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	301.36
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	12 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	7 Nos. and attached to No. of bore wells - 7 Nos. At Depth - 25 to 50 m.
	Size of recharge pits :	2.0m x 2.0m x 1.5m
	Budgetary allocation (Capital cost) :	Rs.8.25Lakhs
	Budgetary allocation (O & M cost) :	Rs.0.41 Lakhs/annum
	Details of UGT tanks if any :	Domestic UG tank Capacity:540 m3 Flushing UG tank Capacity: 150.00 m3 Fire UG tank Capacity: 300.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	Collection chamber with pipe
	Quantity of storm water:	480 m3/day
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	500
	STP technology:	Activated Sludge Technology
	Capacity of STP (CMD):	1 no. x 500 m3
	Location & area of the STP:	As per drwg. and Area – 270 m2
	Budgetary allocation (Capital cost):	Rs.112 Lakhs
	Budgetary allocation (O & M cost):	Rs.17.50 Lakhs/ Annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	During Construction waste - Excavation 44,035 m3 : During Construction solid waste - 35 kg /day : Demolition waste - 150 CUM (Hunt quantity 813 Nos)
	Disposal of the construction waste debris:	Topsoil to be preserved & remaining will be used for back filling
Waste generation in the operation Phase:	**Dry waste:**	799 kg/day
	Wet waste:	1,157 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	75 kg/day
	Others if any:	E-waste : 2,206 kg/year (6 kg/day)

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recyclers (SWaCH)
	Wet waste:	Will be converted to compost using OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Ewaste : Will be handed over to authorized recyclers (SWaCH) and Demolition waste will be handed over to authorized recyclers
Area requirement:	**Location(s):**	Near Residential Exit point
	Area for the storage of waste & other material:	17 m2
	Area for machinery:	63 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.29.75 Lakhs
	O & M cost:	Rs.7.01 Lakhs/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set : 2 no.x 125 kVA	Diesel : 20.2 lit/hr	2 no.	provided	provided	provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	DG set : 2 no.x 125 kVA	DG set : 2 no.x 125 kVA
41.Source of Fuel		at actual		

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	As per SRA Sanction R1 On ground - 490.63 m2, R3 On ground - 237.96 m2, R2 on Podium - 727.31 m2
	No of trees to be cut :	8 no.
	Number of trees to be planted :	To be planted : 244 no. Existing : 17 no. : Trees to be cut : 8 no. : Trees to be retained 9 no. : Total No of trees : 253 no.
	List of proposed native trees :	Native trees 17 no. : Provided
	Timeline for completion of plantation :	Till project completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Anthocephalusksdamba	Kadamba	12	Large sized deciduous tree strong branching pattern. The fragrant orange flowers attract
2	Azadirachataindica	Neem	5	Neem is a fast growing tree that can reach a height of 15-20 m. It is decidiuous tree & the branches are wide and spreading. Good for air purification. Leaves have medicinal use
3	Bauhinia Vartiegata	Kachnar	20	Small size deciduous tree round canopy. Suitable for roadside, group planting or as specimen tree in large lawns due to flowering
4	Cassia fistula	Bahava	8	Medium sized deciduous tree. Round canopy. Suitable for roadside, group planting or as specimen tree in large lawns due to its flowering
5	Plumeria Alba	Sonchafa	10	Popular for its fragrant yellow flowers, large evergreen tree is handsome in appearance grows upright & suitable for planting anywhere. All parts of plants have medicinal value & used in Ayurveda.
6	Wodyetia Bifurcate	Foxtail Palm	8	Foliage deep Green in colour & beautification of garden
7	FicusBlackiana	-	35	Maintain tree like shape. Use as ornamental purpose
8	Terminaliamantaly	-	6	Deciduous or evergreen tree with layered branches growing 10 to 20 mtr.
9	Roystonearegia	Royal Palm	10	Royal Palm planted as on ornamental plat leaves are used for that ching and the wood for construction.
10	-	Areca Palm	35	Areca Palms plants helps in absorbing air pollutants like Acetane, Xylene. Using as air purification.

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11	Mangiferaindica	Mangoo tree	2	Its native in Indian subcontinent. Leaves are useful for treating dibetes. Mango fruit is the national fruit
12	Cocusnucifera	Coconut Tree	5	Fruit is used different way in all india. Its fiber used for coir production. Broom is made from its leaves. Fruit water isused especially by patients.
13	Artocarpusheterophyllus	Jackfruit tree	3	Native to India, widely cultivetd tropical region. Fruit is large in size & sweet in test
14	Psidiumguajava	Guava tree	5	Tropical small tree. Fruits are green egg like, sweet in test. Fruits rich in vit C.
15	Psidiumguajava	Guava tree	5	Tropical small tree. Fruits are green egg like, sweet in test. Fruits rich in vit C.
16	Psidiumguajava	Guava tree	5	Tropical small tree. Fruits are green egg like, sweet in test. Fruits rich in vit C.
17	Millingtoniahortensis	Akashneem	40	Fast growing tree,This is growing in garden and avenue for its perfuming flowers
18	Jaccarandamimosifolia	Nilmohar	24	The trees grows to height of 5 to 15 mtr,Widely planted else where because of its attractive and long lasting pale indigo flower
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Acalyphawilkesiana	300 mm	110
2	Phalarisarundinacea	300 mm	53.30
3	Hymenocallis	300 mm	16.6
4	Ixoracoccinea	300 mm	28.8

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 kW
	DG set as Power back-up during construction phase	125 kVA x 1No.
	During Operation phase (Connected load):	2405 kW
	During Operation phase (Demand load):	1678 kW
	Transformer:	630 kVA x 4 nos.
	DG set as Power back-up during operation phase:	2 Nos. x 125 kVA
	Fuel used:	Diesel - 2 Nos. x 125 kVA -20.2 lit./hr. @ 75% loading
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Auto Timer control for external & common lightning
- Use of CFL / LED lamps in all public / common areas.
- Solar powered water heating
- Electronic V3F Drives for elevators
- Solar PV Panel Power for common area lightning

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panel : 0.68%	37500
2	Timer Logic Controller : 1.39%	77033.25
3	Electronic V3F drive for lifts : 0.44%	24506.1
4	Solar Water Heater : 14.1%	781956
5	Total energy saving shall be achieved up-to 16.61 %	920995.35 kWh/Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	-	1 STP
OWC	-	1 OWC
DG set	-	2 no.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.91.72 Lakhs
	O & M cost:	Rs.2.74 Lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Pre- construction Demolition cost	Demolition of Huts - 813 no.	25.00
2	During construction phase - Transit camp cost	We are paying rent to each tenant as per SRA guidelines	487.80
3	During construction phase - Air & Noise Environment	Water For Dust Suppression	0.09
4	During construction phase - Air & Noise Environment	Air & Noise monitoring	0.10
5	During construction phase - Water Environment	Tanker water for construction & worker	0.30
6	During construction phase - Water Environment	Water monitoring	0.08
7	During construction phase - Land Environment	Labour toilets 10 Nos. Cleaning 12,000 Rs./month No. of workers - 100	1.20
8	During construction phase - Biological Environment	Gardening & Excavation	9.40
9	During construction phase - Socio-economic Environment	Disinfection at site	0.30
10	During construction phase - Socio-economic Environment	Safety, First Aid, Health Hygiene Facilities/ Health Check Up	0.60
11	During construction phase - Socio-economic Environment	Crèches for children	2.4
12	During construction phase - Socio-economic Environment	Personal Protective Equipment	1.0
13	-	Total	528.27

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP Cost : 1 No. of 500 KLD	respective parameter	112	17.50
2	Rain Water Harvesting	6 nos. of recharge pits	8.25	0.41
3	Environmental Monitoring	As per MoEF guidelines	-	0.60
4	Gardening	Plantation of native plants	7.50	1.64
5	Solid waste	1 Nos. of OWC	29.75	7.01
6	Energy	Energy Saving Measures	91.72	2.74
7	-	Total	259.22	29.90

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51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 junction (Vishrantwadi Chowk) 60m Alandi road & 24 m Dhanori wide
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 Nos. Area - 6,352.50 m2
	Total Parking area:	5,941.00 m2
	Area per car:	NIL
	Area per car:	NIL
	Number of 2-Wheelers as approved by competent authority:	2-Wheelers - 868 Nos. and Cycles - 1,736 Nos.
	Number of 4-Wheelers as approved by competent authority:	NIL
	Public Transport:	BUS
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	It is proposed SRA and residential & Commercial project

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 17,400.00 m2, FSI area of (SRA building 21,230.34 and Sale building 30,457.04) m2, Non FSI area of (SRA building 5,941.00 and Sale building 37,024.92) m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B. .

DECISION OF SEAC

SEAC-AGENDA-0000000292

During discussion following points emerged:

1. Fire tender movement at south-east corner of the plot to be realigned by relocating OWC so that uninterrupted uniform width is available towards exit.

2. PP to submit cross-sections of fire tender movement at 4-5 places.

3. The parking layout plan at all floor shall be revised with ramp width of 3 m for two way movement of two wheelers and drive way width of minimum 2 m on all the floors. Clear dimensions shall be marked on the plan.

4. The parking for shops shall be away from the 6 m clear width for fire tender movement such that uniform drive way width is available all around.

5. Commercial shops traffic movement shall be isolated from residential parking.

6. Though there is no requirement for 4-wheelers as per DCR, provision for about 20 spaces for 4-wheelers shall be explored.

7. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

8. PP to submit revised geo-hydrological report giving details of aquifers at various levels instead of giving average depth.

9. PP to submit plan showing proposed recharge pit for recharging water from terrace water and separate RWH pit for surface water.

1. PP informed that they are going to construct transit camp onsite. PP to submit drawing indicating proposed plan and phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

2. PP to submit master layout superimposing all environmental parameters.

10. PP to submit details of storm water and sewage up to final disposal point.

11. PP to submit details of STP.

12. PP to submit UGT sections.

13. PP to obtain and submit following NOC's: (a) Water supply, (b) Drainage NOC. (c) Garden

14. PP to submit revised RG plan indicating required RG on virgin land.

15. PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

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FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000292

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for "AIPL JOY STREET" Proposed Commercial Project

Is a Violation Case: No

1.Name of Project	"AIPL JOY STREET" Proposed Commercial Project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Arvind Tiwari (Liaisoning Executive) M/s. Nunlet Projects Pvt. Ltd. S232-B, Third Floor, Okhla Industrial Estate, Phase III, New Delhi – 110020
4.Name of Consultant	Mr. H.K. Desai M/s. Enviro Analysts & Engineers Pvt. Ltd. Address: B-1003, Enviro House, 10th Floor, Western Edge II, Western Express Highway, Borivali (E), Mumbai - 400066.
5.Type of project	Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Kh. No. 21, city survey No. 532, Mouza Harpur, Middle Ring Road, Taluka & Dist. Nagpur (MS).
9.Taluka	Nagpur
10.Village	Nagpur
Correspondence Name:	Mr. Arvind Tiwari (Liaisoning Executive)
Room Number:	NA
Floor:	S232-B, Third Floor
Building Name:	Okhla Industrial Estate, Phase III,
Road/Street Name:	NA
Locality:	New Delhi – 110020
City:	New Delhi – 110020
11.Whether in Corporation / Municipal / other area	Nagpur Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plans are approved by NMC
	IOD/IOA/Concession/Plan Approval Number: Plans are approved by NMC
	Approved Built-up Area: 71657.75
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plans are approved by NMC
15.Total Plot Area (sq. m.)	38085.00
16.Deductions	14957.334
17.Net Plot area	23127.666 (Commercial area)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 39925.18
	b) Non FSI area (sq. m.): 31732.57
	c) Total BUA area (sq. m.): 71657.75
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 39925.18
	Approved Non FSI area (sq. m.): 31732.57
	Date of Approval: 07-09-2018
19.Total ground coverage (m2)	12647.01
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32.20 %
21.Estimated cost of the project	1800000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Joy Street 1 no.	B2+B1+G+3 upper floors	23.950 m

23.Number of tenants and shops	Retail Shops: 463, Restaurants 7, Multiplex 10, Food court 1, Entertainment zone 1, Office 1.
24.Number of expected residents / users	10528
25.Tenant density per hectare	126.82
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Open plot
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Nagpur Municipal Corporation
	Fresh water (CMD):	257
	Recycled water - Flushing (CMD):	120
	Recycled water - Gardening (CMD):	38
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	466
	Fire fighting - Underground water tank(CMD):	266
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	0

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Wet season:	**Source of water**	Nagpur Municipal Corporation
	Fresh water (CMD):	219
	Recycled water - Flushing (CMD):	120
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	428
	Fire fighting - Underground water tank(CMD):	266
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	0
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 - 12 m
	Size and no of RWH tank(s) and Quantity:	2 X 160 CUM
	Location of the RWH tank(s):	On basement
	Quantity of recharge pits:	93 Nos.
	Size of recharge pits :	1.5 m x 3.5 m
	Budgetary allocation (Capital cost) :	600000
	Budgetary allocation (O & M cost) :	100000
	Details of UGT tanks if any :	Domestic UG tank Capacity: 4 x 75 CUM Flushing UG Tank capacity: 120 CUM Fire water UG tank capacity: 2 x 133 CUM RWH UG tank capacity : 2 x 160 CUM

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35.Storm water drainage	**Natural water drainage pattern:**	The natural slop for drainage is from West to East Direction
	Quantity of storm water:	0.030 cum/sec.
	Size of SWD:	400 mm
Sewage and Waste water	**Sewage generation in KLD:**	232
	STP technology:	SBR
	Capacity of STP (CMD):	1 x 280
	Location & area of the STP:	On Basement
	Budgetary allocation (Capital cost):	8000000
	Budgetary allocation (O & M cost):	500000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction derricks like sand, bricks, tiles will be recycle and utilized for leveling. Top soil will be preserved for landscaping.
	Disposal of the construction waste debris:	Construction derricks like sand, bricks, tiles will be recycle and utilized for leveling. Top soil will be preserved for landscaping.
Waste generation in the operation Phase:	**Dry waste:**	1842
	Wet waste:	790
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	23 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to recycler
	Wet waste:	Will be compost using OWC and manure will be use for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	23 kg/day
	Others if any:	NA
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	50 sq. m.
	Area for machinery:	5 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1500000
	O & M cost:	300000

37.Effluent Charecterestics

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	5590.079
	No of trees to be cut :	NA
	Number of trees to be planted :	480
	List of proposed native trees :	Azadirachta indica, Delonix regia, Ficus racemosa, Mangifera indica, Gmelina arborea, Syzygium cumini, Phyllanthus emblica, Terminalia Tomentosa, Terminalia arjuna, Pongamia pinnata
	Timeline for completion of plantation :	At the end of the construction

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	48	Evergreen & native avenues roadsides for shade, used as windbreak, purifies air.

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2	Delonix regia	Gulmohar	48	Deciduous tree with orange; red flowers, ornamental
3	Ficus racemosa	Udumbara	48	Evergreen, Native, flowering and fruiting tree with medicinal value.
4	Mangifera indica	Mango	48	Evergreen, fruiting tree with medicinal value
5	Gmelina arborea	Gamhar	48	Deciduas, fast growing , flowering with medicinal value.
6	Syzygium cumini	Jamun	48	Evergreen, Native, flowering and fruiting tree
7	Phyllanthus emblica	Awla	48	Evergreen, fruiting tree with medicinal value
8	Terminalia Tomentosa	Asan	48	Deciduous tree with medicinal value
9	Terminalia arjuna	Arjun	48	Deciduous tree with medicinal value, white flowers
10	Pongamia pinnata	Karanja	48	It is a medium sized glabrous, perennial tree, flower and seeds of this plant also have medicinal properties
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	25 KVA
	During Operation phase (Connected load):	4731.75 KW
	During Operation phase (Demand load):	3154.50 KW
	Transformer:	2 nos. 2000 KVA
	DG set as Power back-up during operation phase:	3 No. (2000, 1500 & 750) KVA DG for back up for emergency facility
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

1 % Solar energy provided of demand load, LED lights – Lobby, common Area & staircase (From Basement to Top), Lifts and escalators with VFDs will be provided, Saving in Plumbing pumps, saving in External lights will be provided.

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49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED lights – Lobby, common Area & staircase (From Basement to Top),	25 %
2	Lifts and escalators with VFDs	25 %
3	Saving in Plumbing pumps,	20 %
4	saving in External lights	50 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15000000
	O & M cost:	1500000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water Sprinkling	Dust supression	2
2	Health, Safety & First Aid Facility	For labors & Enployees	5
3	Sanitary facility and Wastewater Management	For labors & Enployees	10
4	Environmental Monitoring as per stipulation in EC and Consent.	Air, Water, Waste water, Soil & Noise	6

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	recharge pits and storage tanks provided	6	1
2	Municipal Solid Waste Management	OWC will be provided	15	3
3	Wastewater Management (STP)	STP will be provided	80	5
4	Energy Conservation	LED lights, energy efficient motors will be provided	150	15
5	Landscaping	280 trees will be planted	112	11
6	Environmental Monitoring	air, Noise, Water, Waste water & soil	0	2

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	6 m internal pathway connected to 24 m DP road
Parking details:	**Number and area of basement:**	1 basement (B1 & B2) 24415.42 sq. m.
	Number and area of podia:	NA
	Total Parking area:	26432 sq. m.
	Area per car:	32 sq.m.
	Area per car:	32 sq.m.
	Number of 2-Wheelers as approved by competent authority:	Scooters 2056 & Cycles 1284
	Number of 4-Wheelers as approved by competent authority:	826
	Public Transport:	Project Comes under urban area all transport facility is available like bus, auto, taxi
	Width of all Internal roads (m):	6 m.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B, Schedule 8a
	Court cases pending if any	No
	Other Relevant Informations	This is a construction project and we will maintained environmental quality at the time of construction and operation phase of the project.

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

*PP remained **absent**. The proposal was deferred.*

DECISION OF SEAC

*PP remained **absent**. The proposal was deferred.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

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SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for "Osiyan County" construction project by M/s D R Gavhane Landmarks LLP

Is a Violation Case: No

1.Name of Project	"Osiyan County"
2.Type of institution	Private
3.Name of Project Proponent	Mr. Amit Damodar Gavhane
4.Name of Consultant	SD Engineering Services Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.NO. 492/1, 492/2, 492/3, 493/1, 493/2, 494/1, 494/2
9.Taluka	Haveli
10.Village	Charholi Budruk
Correspondence Name:	Mr. Dinesh Rajput
Room Number:	Sr. No. 690/1A/1/1/1, KBG Classic ,
Floor:	-
Building Name:	Above P N Gadgil,
Road/Street Name:	Pune Nashik Road,
Locality:	Bhosari City
City:	Pune 411039
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	26,631.89
16.Deductions	2,360.60 (Road Set back)
17.Net Plot area	24,271.29
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 32348.92
	b) Non FSI area (sq. m.): 14884.62
	c) Total BUA area (sq. m.): 47233.54
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	7697.59
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.71 %
21.Estimated cost of the project	746991603.51

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. A 1, 1 number	G+7	23.925
2	Bldg. B 1, 1 number	G+7	23.925
3	Bldg. C 1, 1 number	G+7	23.925
4	Bldg. C 2, 1 number	P+7	23.925
5	Bldg. D, 1 number	G+4	14.95
6	Bldg. E, 1 number	G+4	14.95
7	Bldg. F 1, 1 number	G+4	14.95
8	Bldg. F 2, 1 number	G+4	14.95
9	Bldg. G 1 (MHADA) , 1 number	G+4	14.95
10	Bldg. G 2 (MHADA), 1 number	G+4	14.95

23.Number of tenants and shops	Tenants – 683 Shops- 38
24.Number of expected residents / users	3415 (Residential) + 191 (Commercial): Total: 3606 nos.
25.Tenant density per hectare	282
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m wide road (Nearest Fire Station: PCMC Fire Brigade)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m for fire driveway
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	Residential: 307 Commercial: 5 Total: 312
	Recycled water - Flushing (CMD):	Residential: 154 Commercial: 4 Total: 158
	Recycled water - Gardening (CMD):	18
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	488
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	205
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	Residential: 307 Commercial: 5 Total: 312
	Recycled water - Flushing (CMD):	Residential: 154 Commercial: 4 Total: 158
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	470
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	223
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Not applicable	312	312	Not applicable	31	31	Not applicable	281	281
Domestic	Not applicable	158	158	Not applicable	16	16	Not applicable	142	142
Gardening	Not applicable	18	18	Not applicable	18	18	Not applicable	00	00

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post Monsoon- 5 to 6 m BGL and Pre Monsoon- 12 to 15 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	9 pits
	Size of recharge pits :	Size- 2 m X 1 m X 2 m
	Budgetary allocation (Capital cost) :	9 Lakh
	Budgetary allocation (O & M cost) :	4.50 Lakh / annum
	Details of UGT tanks if any :	UGWT 1 Capacity= 347 KL UGWT 2 Capacity= 114.1 KL UGWT for commercial: 10 KL Flushing water storage 158 KL will be near STP
35.Storm water drainage	**Natural water drainage pattern:**	As per natural contour
	Quantity of storm water:	4.2 CUM/min
	Size of SWD:	300 mm and 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	423
	STP technology:	MBBR
	Capacity of STP (CMD):	440 KLD
	Location & area of the STP:	Near open space 3 and area is 211.54 sq. m
	Budgetary allocation (Capital cost):	42 Lakh
	Budgetary allocation (O & M cost):	9.86 Lakh/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation: 17783.71 m3 and Top Soil 3692.13 m3 Total: 21475.84
	Disposal of the construction waste debris:	Top soil will be used for Landscaping and rest of excavation will be used for filling site
Waste generation in the operation Phase:	**Dry waste:**	Residential: 683 kg/day Commercial: 29 kg/d Total: 712 kg/day
	Wet waste:	Residential:1024 kg/day Commercial: 19 kg/day Total: 1043 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	30 kg/day
	Others if any:	E-waste: 5 kg/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH
	Wet waste:	Treated in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Will be handed over to SWACH
Area requirement:	**Location(s):**	Near STP
	Area for the storage of waste & other material:	71.5 sq. m
	Area for machinery:	Included in above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	19.15 Lakh
	O & M cost:	1.66 Lakh/Annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	1 no. of 250 KVA	42.6 Lit. / Hr.	1	4.28	0.15	499

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	42.6 lit/hr.	42.6 lit/hr.
41.Source of Fuel		Authorized Dealer		
42.Mode of Transportation of fuel to site		By Road		

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43.Green Belt Development	**Total RG area :**	Required RG area: 2427.13
	No of trees to be cut :	00
	Number of trees to be planted :	304
	List of proposed native trees :	As given below
	Timeline for completion of plantation :	Before completion of project

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neeem	30	Good Medicinal use
2	Mangifera indica	Mango	10	Tall Evergreen tree with fruit bearing
3	Pongamia pinnata	Karanj	13	Good Medicinal use
4	Artocarpus heterophyllus	Jackfruit	5	Tall Evergreen tree with fruit bearing
5	Albizia lebbeck	Shirish	11	Fragrant flowers or leaves attract birds/butterflies/Bees, Deep green, drought tolerant.
6	Saraca indica	Sita Ashok	12	Fragrant flowers or leaves attract birds/butterflies/Bees, Deep green, Shiny Foliage.
7	Butea monosperma	Palas	10	Fragrant flowers or leaves, flower covering the entire crown, plant for pooja
8	Lagerstroemia speciosa	Jarul	13	Creates shade, attract birds/butterflies/bees, Good for screening.
9	Syzygium cumini	Jamun	9	Tall Evergreen tree with fruit bearing
10	Terminalia catippa	Badam	20	Evergreen fruit bearing tree attracts birds.
11	Khaya grandi	Khaya	16	Evergreen Tree
12	Cassia fistula	Golden Shower	17	Auspicious attract birds/bees/butterfly, hanging or weeping growth.
13	Bauhinia blakeana	Apta	16	Semi evergreen tree with medicinal value
14	Michelia champaca	Sonchapha	36	Medium sized evergreen tree, fragrant yellow flower, butterfly host plant
15	Mimusops elengi	Bakul	11	Shady tree, Small white fragrant flowers.
16	Anthocephalus cadamba	Kadamb	8	Shady, Large tree, ball shaped flowers.
17	nyctanthes arbor-tristis	Parijatak	35	Birds attracting Tree with medicinal value
18	Tectona grandis	Saag	12	Deciduous tree, good quality wood for furniture

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19	Hardwickia binata	Anjan	9	Medium deciduous ornamental tree, the bark of the tree is used for making ropes, the timber obtained from Hardwickia binata is used for making agricultural equipment like cart wheels, oil mills, pestles and ploughs.
20	Ochna obtusata	Kanak champa	11	Attractive yellow flowers, grow quickly
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	--	--	--

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	1 no. of 82.5 KVA
	During Operation phase (Connected load):	2,110 KW
	During Operation phase (Demand load):	1,271 KW
	Transformer:	2 NOS. of 630 KVA and 1 NOS. of 315 KVA
	DG set as Power back-up during operation phase:	1 No. of 250 KVA
	Fuel used:	42.6 lit./hr.
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

Solar PV panels (SOLAR ENERGY - Outdoor Lighting / Street Lights)
Auto Timer Logic Controller
Electrical V3F Drive for Lift
Solar Water Heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV panels (SOLAR ENERGY - Outdoor Lighting / Street Lights)	0.36 (17550 KWH / Annum)
2	Auto Timer Logic Controller	1.03 (50545.20 KWH / Annum)
3	Electrical V3F Drive for Lift	0.57 (27773.58 KWH / Annum)
4	Solar Water Heater	24.30 (1188420 KWH / Annum)

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50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage waste water	Not applicable	STP
Solid waste (Biodegradable)	Not applicable	OWC
Emission from DG set	Not applicable	DG set with adequate stack height

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	131.42
	O & M cost:	3.86

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise monitoring	1.92
2	Water Environment	Tanker water for construction (Tanker Considered in above)	Cost Considered in above
3	Water Environment	Water for worker and Water monitoring	1.464
4	Land Environment	Site Sanitation	4.2
5	Biological Environment	Gardening Set up and Top soil preservation cost	49.2
6	Socio-economic Environment	Disinfection- Pest Control, first aid facilities, Health Check Up, Crèches for children, and Personal protective equipment	2.985
7	Energy Conservation	CFL lamps for labour hutments	0.04

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Generation	STP	48	9.86
2	Rain Water Harvesting	Recharge pit	9	4.5
3	Solid Waste Management	OWC	19.15	1.66
4	Green Belt Development	Plantation	37.20	4.46
5	Energy Use	(Timer Logic Controller, Electrical V3F Drive for Lift,)	14.95	1.50
6	Renewable Energy	Solar water heating + PV	116.47	2.36
7	Environmental Monitoring	EMP costing	MoEFCC approved laboratory	8.36

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51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	1 no. of Podium
	Total Parking area:	(Covered) 7463.98 + (Uncovered) 7749.24 Total: 15213.21 sq. m
	Area per car:	30.00 sq. m
	Area per car:	30.00 sq. m
	Number of 2-Wheelers as approved by competent authority:	1402 Nos.
	Number of 4-Wheelers as approved by competent authority:	354 Nos.
	Public Transport:	PMPML Bus stand in project vicinity
	Width of all Internal roads (m):	6.00 m & 4.50 m
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 Km
	Category as per schedule of EIA Notification sheet	8a (B2)
	Court cases pending if any	NA
	Other Relevant Informations	NA

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

*PP remained **absent**. The proposal was deferred.*

DECISION OF SEAC

*PP remained **absent**. The proposal was deferred.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC-AGENDA-0000000292

90th SEAC-3 meeting Day 02

SEAC Meeting number: 90 **Meeting Date** July 9, 2019

Subject: Environment Clearance for proposed Residential and Commercial project, at S.No. 162/3A/1, 162/3A/1A/2, 162/3B/1, 162/3B/2, 162/3B/1/1/2, 162/3B/1/2/2, Village Aundh, Tal. Haveli, Dist. Pune by M/s. Nikhil Development Corporation.

Is a Violation Case: No

1.Name of Project	proposed Residential and Commercial project, at S.No. 162/3A/1, 162/3A/1A/2, 162/3B/1, 162/3B/2, 162/3B/1/1/2, 162/3B/1/2/2, Village Aundh, Tal. Haveli, Dist. Pune by M/s. Nikhil Development Corporation.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Nikhil Himatlal Bhalja
4.Name of Consultant	Vke: Environmental LLP, Pune.
5.Type of project	Residential and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No. 162/3A/1, 162/3A/1A/2, 162/3B/1, 162/3B/2, 162/3B/1/1/2, 162/3B/1/2/2,
9.Taluka	Haveli
10.Village	Aundh
Correspondence Name:	Mr. Nikhil Himatlal Bhalja
Room Number:	--
Floor:	--
Building Name:	2, Raghuwansh Apartment
Road/Street Name:	940/4, Model Colony
Locality:	Shivaji nagar
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: 00
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7,562.00
16.Deductions	Road widening area- 328.31 sq.m. and RFD- 2,244.00 sq.m.
17.Net Plot area	4,989.69
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18926.83
	b) Non FSI area (sq. m.): 23786.18
	c) Total BUA area (sq. m.): 42713.00
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 00
	Approved Non FSI area (sq. m.): 00
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2459.91
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.3 %
21.Estimated cost of the project	1014500000.00

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1	2B+Stilt+9	28.50
2	Tower 2	2B+Stilt+9	28.50
3	Tower 3	2B+G+10	31.80
4	EWS	2B+G+8	30.00
5	Commercial	2B+G+8	30.00

23.Number of tenants and shops	Residential- 183 no of flats, Commercial- 60 nos of offices and 12 nos of shops
24.Number of expected residents / users	Residential- 915 persons Commercial- 1005 Nos., Total -1920
25.Tenant density per hectare	241
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30 m wide road from the nearest fire station to the project. Nearest fire station: Aundh Fire Station- 1.3 Km
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	For easy access of fire tender 9 m turning radius will be provided
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PMC
	Fresh water (CMD):	110.0
	Recycled water - Flushing (CMD):	62.0
	Recycled water - Gardening (CMD):	6.0
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	178.0
	Fire fighting - Underground water tank(CMD):	150.0 and 100.0
	Fire fighting - Overhead water tank(CMD):	10.0
	Excess treated water	71.0
Wet season:	**Source of water**	PMC
	Fresh water (CMD):	110.0
	Recycled water - Flushing (CMD):	62.0
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	172.0
	Fire fighting - Underground water tank(CMD):	150.0 and 100.0
	Fire fighting - Overhead water tank(CMD):	10.0
	Excess treated water	77.0
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Avg 7.30m to 8.70m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4
	Size of recharge pits :	3m x 3m x 3m
	Budgetary allocation (Capital cost) :	Rs. 8,00,000.00 /-
	Budgetary allocation (O & M cost) :	Rs. 60,000.00 /-
	Details of UGT tanks if any :	Fire- 150 cum & 100 cum Drinking & Domestic- 81.12 cum, 42.90 cum & 9.60 cum
35.Storm water drainage	**Natural water drainage pattern:**	The storm water drainage will be designed according to contours
	Quantity of storm water:	0.01395 m3/sec
	Size of SWD:	0.4 m diameter
Sewage and Waste water	**Sewage generation in KLD:**	154.0
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos 125 KLD & 50 KLD
	Location & area of the STP:	On ground. 104.58 sq mt.
	Budgetary allocation (Capital cost):	Rs. 66,74,000.00 /-
	Budgetary allocation (O & M cost):	Rs. 16,64,000 /-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	20 kg/day (Wet- 12 kg/day & Dry- 8 kg/day)
	Disposal of the construction waste debris:	The maximum construction waste will be used within the site for leveling purposes and base course preparation of internal approach roads
Waste generation in the operation Phase:	**Dry waste:**	333.75 kg/day
	Wet waste:	375.00 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35.0 kg/day
	Others if any:	E-waste- 1463 kg/year

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycle for further handling & disposal purpose
	Wet waste:	Wet waste will be treated in on-site organic waste converter machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Handed over to authorized recycle for further handling & disposal purpose
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	Included in machine area
	Area for machinery:	45 Sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 25,03,000.00 /-
	O & M cost:	Rs. 5,46,000.00 /-

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):	Not applicable				
Capacity of the ETP:	Not applicable				
Amount of treated effluent recycled :	Not applicable				
Amount of water send to the CETP:	Not applicable				
Membership of CETP (if require):	Not applicable				
Note on ETP technology to be used	Not applicable				
Disposal of the ETP sludge	Not applicable				

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel	Not applicable			

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42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	499.71 Sq.Mt
	No of trees to be cut :	00
	Number of trees to be planted :	70
	List of proposed native trees :	As below
	Timeline for completion of plantation :	Till completion of construction phase

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Syzygium cumini	Jambhul tree	5	A large size tree with dense foliage provides shade along roads, wood is water resistant and attracts a variety of birds
2	Millingtonia hortensis	Indlan cork tree	6	A columnar, evergreen tree,grows well in both dry and moist region
3	Lqgerstromia flos-reglneae	Tamhan	5	State flower tree of Maharashtra, medium size tree, beautiful purple flowers, grows well in both dry humid climate
4	Pongamia pinnata	Karanj	6	Large tree good for stopping soil erosion along canal banks
5	Azadirachta indica	neem	6	A medium tom large size hardy tree which stand in drought condition. Air purifying quality attain a much larger size in dry regions
6	Cassia fistula	Bahava	2	Small deciduous tree. Excellent bright flowering tree for arid regions.
7	Ficus benjamina	Weeping flg	5	Medium sized evergreen tree with elegant appearance and moderate water requirement
8	Plumeria alba	Champa	5	Ornamental flowering tree
9	MIchelia champaca	Sonchapha	7	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
10	Polyalthia longifolia	Ashoka	4	Large evergreen tree effective in decreasing noise pollution.
11	Manglfera Indica	Mango	4	Large evergreen and fruit bearing tree
12	Alnizia lebeck	Shirish	4	Shady, large tree, ball shaped flowers
13	Psidium guajava	Guava	6	Medium sized fruit bearing tree
14	Annona squamosa	Sitaphal	5	Medium sized fruit bearing tree
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

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Serial Number	Name	C/C Distance	Area m2
1	Raphis Palm	0.60	15.38
2	Allamanda yellow	0.45	3.50
3	Asparagus sprengeri	0.30	8.06
4	Ixora red	0.30	3.93

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	60 KW
	DG set as Power back-up during construction phase	82.5 KVA
	During Operation phase (Connected load):	3150 KVA
	During Operation phase (Demand load):	2723.78 KVA
	Transformer:	5 nos 630 KVA each
	DG set as Power back-up during operation phase:	1 no 320 KVA and 1 no 600 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Annual saving with energy equipment 45.66 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy Saving by Elecrtonic V3F drive for Lifts,Energy Saving by Solar System,Street Light on the Bldg,Street Light on the Bldg, Street Light on the Bldg, LED Lamp & Fitting For Common Areas i.e. Bldg.,Bollard Lighter - Light Fitting For Landscape Area,Up Lighter - Light Fitting For Landscape Area, Parking, Staircase, Passage & Terrace Floor.Solar Street Light Fitting - Pole Light On Road Side,	45.66 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Erosion control – dust suppression measures, barricading and top soil preservation	6.37
2	Land	Labour Camp toilets & sanitation	4.8
3	Health and Safety	Labour Safety Equipments and training	4.0
4	Health facility	Disinfection and Health Check-ups	0.66
5	Environment Management	Environment management cell	1.75
6	Environment Management	Environmental Monitoring	1.85

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	STP with MBBR Technology	66.74	16.64
2	Solid Waste Management	OWC	23.03	5.46
3	Landscaping	Development and Maintenance	2.52	0.25
4	Rain Water Harvesting	Recharge pits with bore well	8.0	0.60
5	Energy Saving	Energy Saving equipments	73.80	1.45
6	Environmenal Monitoring	---	00	1.82

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

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	Nos. of the junction to the main road & design of confluence:	Proposed site is located at Aundh. The road network within the site has been deigned to cater to the traffic loads of the project
Parking details:	**Number and area of basement:**	2 No of Basement, Area- 10796.72 sq. mt.
	Number and area of podia:	NA
	Total Parking area:	6510.07 sq mt
	Area per car:	12.5 sq. mt.
	Area per car:	12.5 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	657
	Number of 4-Wheelers as approved by competent authority:	363
	Public Transport:	Yes, Existing public transport present up to project site
	Width of all Internal roads (m):	Width of all Internal roads: 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a) Building & construction project.
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 7,562.00 m2, FSI area of 18926.83 m2, Non FSI area of 23786.18 m2 and total BUA of 42713.00 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

SEAC-AGENDA-0000000292

During discussion following points emerged:

1. In CER, PP has proposed to provide LED and solar street light (100 nos.). PP to submit locations of street lights. PP to submit number of trees and location of plantation. PP to indicate location and number of solar PV system for public buildings. PP to submit revised CER accordingly.

2. PP to submit details of existing development in chronological manner viz. date of plan sanction, CC, Plinth completion and occupation etc. certified by Architect.

3. PP to relocate STP, UGT and OWC beyond RED line and submit details of the same along with revised plan indicating BLUE line and RED line.

4. PP to submit master layout superimposing all environmental parameters.

5. PP to submit details of storm water and sewage up to final disposal point.

6. PP to submit plan showing proposed recharge pit for recharging water from terrace water and separate RWH pit for surface water.

*PP requested for time to submit the information sought; after deliberations committee asked PP to **comply** with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-000000292

90 SEAC-3 meeting Day 03

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Environment Clearance for Proposed Residential Cum Commercial Project

Is a Violation Case: Yes

1.Name of Project	"Adhya - Radha -Krishna"
2.Type of institution	Private
3.Name of Project Proponent	Mr.Rajesh Madhukar Pokharkar
4.Name of Consultant	M/s. Sneha Hi-Tech Products
5.Type of project	Housing [Residential Cum Commercial Project]
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable No, PP have already obtained sanctioned plan on dated 17/01/2015 & 22/07/2015 for total BUA of 9229.84m2. At present total constructed BUA on site is 11613.95m2 [FSI + Non FSI]. As total BUA was not crossing 20,000m2 hence did not apply for EC but now looking at market demand PP has applied for revise master plan and as total BUA is crossing 20,000m2 hence applying for EC for expansion
8.Location of the project	Gat No. 119,120,121,122,
9.Taluka	Haveli
10.Village	Mouje – Chikhali
Correspondence Name:	Mr. Rajesh Madhukar Pokharakr
Room Number:	NA
Floor:	318, 3rd Floor,
Building Name:	Platinum Techno Park,
Road/Street Name:	Plot No. 17 & 18, Sector 30a,
Locality:	VAshi
City:	Navi Mumbai - 400705
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation [PCMC]
12.IOD/IOA/Concession/Plan Approval Number	Yes, PP have already obtained sanctioned plan on dated 17/01/2015 & 22/07/2015 for total BUA of 9229.84m2 and now applied for revise Master Plan for full potential i.e. 34508.21m2
	IOD/IOA/Concession/Plan Approval Number: PP has applied for Revised sanction
	Approved Built-up Area: 9229.84
13.Note on the initiated work (If applicable)	PP have already obtained sanctioned plan on dated 17/01/2015 & 22/07/2015 for total BUA of 9229.84m2 and started construction of residential building with reference to sanctioned plan dated 17/01/2015 & 22/07/2015. Total constructed BUA as on date on site is 11613.95 m2 [FSI + Non FSI}
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	15350.00m2
16.Deductions	6304.001m2
17.Net Plot area	9045.99 m2 (Net Gross Plot Area)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 7497.3
	b) Non FSI area (sq. m.): 17010.89
	c) Total BUA area (sq. m.): 34508.21
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9229.84
	Approved Non FSI area (sq. m.): 5382.11
	Date of Approval: 27-07-2015
19.Total ground coverage (m2)	2149.88m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26.40 of Gross Net Plot Area
21.Estimated cost of the project	500000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	P+12	36
2	B	B+P+12	36
3	C	B+P+12	36
4	D	B+P+12	36
5	E	B+P+12	36
6	Club House	G+1	9.15
7	F Commercial	G+1	9.6
8			
9			

23.Number of tenants and shops	Total Nos. of Tenants: 400 Flats: 391 Nos. Shops: 09 Nos.
24.Number of expected residents / users	Residential users: 1955 Commercial Users: 246 Total: 2201
25.Tenant density per hectare	441Tenant/Hector permissible
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18m Wide RP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0m Average
29.Existing structure (s) if any	Total constructed BUA as on date on site is 11613.95m2
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC/Recycled
	Fresh water (CMD):	180.49
	Recycled water - Flushing (CMD):	94.0
	Recycled water - Gardening (CMD):	11.2
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	285.69
	Fire fighting - Underground water tank(CMD):	100.00
	Fire fighting - Overhead water tank(CMD):	250.0
	Excess treated water	150.8
Wet season:	**Source of water**	PCMC/Recycled
	Fresh water (CMD):	180.49
	Recycled water - Flushing (CMD):	94.0
	Recycled water - Gardening (CMD):	0.0
	Swimming pool make up (Cum):	0.0
	Total Water Requirement (CMD) :	274.49
	Fire fighting - Underground water tank(CMD):	100.00
	Fire fighting - Overhead water tank(CMD):	250.0
	Excess treated water	162.0
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	274.49	274.49	Not applicable	27.44	27.44	Not applicable	247.04	247.04
Gardening	Not applicable	11.2	11.2	Not applicable	11.2	112	Not applicable		
Fresh water requirement	Not applicable	180.049	180.049	Not applicable	18.04	18.04	Not applicable	162..44	162.44

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Summer Season - 20.00 M. BGL Average Winter Season - 15.32 M. BGL Average
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	7 Nos.
	Size of recharge pits :	2.0 m. X 2.0 m. X 1.5 m. Depth with 60 m. Deep 6" Dia. Bore Well via 2 No. of de-siltation pits of 0.9 m. Dia. 1.0 m. Deep
	Budgetary allocation (Capital cost) :	7.0Lakhs
	Budgetary allocation (O & M cost) :	0.50Lakhs per Annum
	Details of UGT tanks if any :	Domestic U.G Tank Capacity: 275.0 CUM Flushing U.G tank Capacity: 95.0 CUM Fire U.G tank Capacity: 250.0 CUM
35.Storm water drainage	**Natural water drainage pattern:**	Natural drain as per contour
	Quantity of storm water:	86.15103m3/Day
	Size of SWD:	600 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	247.5
	STP technology:	MBBR
	Capacity of STP (CMD):	300.0CMD x 1 No.
	Location & area of the STP:	Near Building A STP Area – 241.88m2
	Budgetary allocation (Capital cost):	57.0Lakh
	Budgetary allocation (O & M cost):	12.19Lakh/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Domestic Solid Waste - 34.0kg /day Quantity of the top soil to be preserved: 13815 Cum
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be used for backfilling and recyclable material will be sold off to local vendors.
Waste generation in the operation Phase:	**Dry waste:**	517.7kg/day
	Wet waste:	424.0kg/day
	Hazardous waste:	100 liter/Year [Used/Waste Oil from D.G. Set]
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	20kg/day
	Others if any:	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized recycler SWACH for further handling and disposal
	Wet waste:	Will be converted to compost using Organic Waste Converter of capacity 500 Kg/Day
	Hazardous waste:	Handed over to authorized Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Will be used as manure for gardening
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Near Amenity Building
	Area for the storage of waste & other material:	22.6m2
	Area for machinery:	12.4m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.50Lakh
	O & M cost:	2.26Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	7.0 to 8.5	6.5 to 7.5	6.5 to 7.5
2	Oil & Grease	mg/l	10-20	< 10	< 100
3	BOD	mg/l	250-300	< 50	< 250
4	COD	mg/l	350-450	< 10	< 10
5	TSS	mg/l	200-300	< 10	< 10

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Waste Oil	5.1	Lit/Y	Not applicable	100.00	100.00	anded over to authorized Recycler

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	D.G. Set[200kVA]	Diesel – 37LPH	1	4.0	0.2	90oC

40.Details of Fuel to be used

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Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	Diesel – 37LPH	Diesel – 37LPH
41.Source of Fuel		Nearest Filling Station		
42.Mode of Transportation of fuel to site		Shall be brought in closed can by tanker		

43.Green Belt Development	**Total RG area :**	1727.19 m2
	No of trees to be cut :	0
	Number of trees to be planted :	113
	List of proposed native trees :	As mentioned below in point number (v)
	Timeline for completion of plantation :	During the period of construction and shall take approximately 2 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	AzadirachtaIndica	Kadunimba	9	Semi Evergreen, Medicinal Plant
2	Bauhiniaracemosa	Kanchan	10	Flowering Plant, Medicinal Plant
3	Ficuselastica	Rabar	9	Medicinal Plant
4	Micheliachampaka	Pivla Chafa	10	Flowering Plant, Medicinal Plant
5	SaracaIndica	Sita Ashok	9	Shady tree with red-yellow flowers, Medicinal Plant
6	Pongamiapinnata	Karanj	9	Ornamental Plant, Medicinal Plant, Shady tree
7	Mangiferaindica	Aamba	10	Fruit bearing Plant
8	Albizialebbeck	Shirish	9	Shady Tree, yellowish green fragrant flowers
9	Erythrinavariegata	Pangara	9	Medium deciduous tree, Bright scarlet flowers
10	Annonareticulata	Ramphal	10	Fruit bearing Plant, Medicinal Plant
11	Syzygiumcumini	Jambhul	10	Fruit bearing Plant, Medicinal Plant
12	Tamarindusindica	Chinch	9	Fruit bearing Plant, Medicinal Plant
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30.kW
	DG set as Power back-up during construction phase	82.5kVA
	During Operation phase (Connected load):	1464.00KW
	During Operation phase (Demand load):	1206.00kW
	Transformer:	630KVA x 1 No. & 315KVA x 1 No.
	DG set as Power back-up during operation phase:	200.00kVA
	Fuel used:	Diesel – 37.0LPH
	Details of high tension line passing through the plot if any:	No High Tension Line is passing through the plot

48.Energy saving by non-conventional method:

1. As per MSEDCL requirements, we are planned to use high efficiency Transformer & to reduce losses. Losses for Transformer will be as per IS standards & ECBC norms
2. We are planning to keep power factor of the installation near unity
3. Following are the Energy efficient fixtures should be used in our project for energy conservation; Solar Water Heating Systems Will Be Done For Bathrooms
Solar lights will be provided for common amenities like Street lighting & Garden lighting
CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc
Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy
Water Level Controllers with Timers will be used for Water Pumps
To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED lamps for common area (Club House, Landscape)	23299.04kWH
2	Up Lighter, Bollard Lighter, Garden Pole - Landscaping Area	759.2kWH
3	Use of Solar Panels for Hot Water	434895kWH
4	Street Lights	5540.7kWH

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Adequate Stack height with low Sulpher content fuel

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	51.20Lkah
	O & M cost:	1.02Lakh

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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression , Ambient Air , Noise & DG emissions Monitoring	2.66
2	Water Environment	Tanker water for construction, Drinking water quality monitoring, Packaged STP (7 lac capital cost)	3.6
3	Land Environment	Site Sanitation (SWM)	2.0
4	Biological Environment	Gardening Setup including top soil preservation	1.2
5	Socio Economic Environment& EHS	Disinfection – pest control, First Aid Facilities, Health Checkup, Personal Protective equipment	8.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP Installation	57.0	12.19
2	Water Environment	Rain Water Harvesting	7.0	0.50
3	Environment Monitoring	(Air, Water, wastewater, Soil, Noise, DG stack, Swimming Pool & quality of manure etc.	0.0	5.0
4	Land & Biological Environment	Landscaping of site	12.88	1.0
5	Land & Biological Environment	Solid Waste Management	12.50	2.26
6	EHS	Installation of firefighting equipment, training etc.	16.50	1.65

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Project site gets connected to 24 meter wide road
Parking details:	**Number and area of basement:**	1 x 1267.56
	Number and area of podia:	Not Applicable, No Podium
	Total Parking area:	9975.00m2
	Area per car:	30.0m2 for Stilt & 35.0m2 for Basement
	Area per car:	30.0m2 for Stilt & 35.0m2 for Basement
	Number of 2-Wheelers as approved by competent authority:	820
	Number of 4-Wheelers as approved by competent authority:	207
	Public Transport:	PCMC Buses
	Width of all Internal roads (m):	Minimum 6 meter wide
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	03-02-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.

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Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 15350 m2, FSI area of 7497.3 m2, Non FSI area of 17010.89 m2 and total BUA of 34508.21 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

PP has satisfactorily complied with the points raised in 87th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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90 SEAC-3 meeting Day 03

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Application for proposed expansion of Residential Complex

Is a Violation Case: No

1.Name of Project	Magnolia by Paranjape Schemes (Construction) Limited
2.Type of institution	Private
3.Name of Project Proponent	Paranjape Schemes (Construction) Limited
4.Name of Consultant	Mahabal Enviro Engineers Pvt.Ltd. , Thane , Maharashtra
5.Type of project	Residential and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, We have received Environment Clearance from Ministry of Environment and Forest GoI vide no. 21-670/2006-IA.III Dated 25th June 2007.
8.Location of the project	Survey No. 136/2, Baner Pashan Link Road, Pune ,Maharashtra
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Paranjape Schemes (Construction) Ltd. Blue Ridge, Near Cognizant, Rajiv Gandhi Infotech Park-Phase I, Hinjawadi, Pune-411057
Room Number:	-
Floor:	-
Building Name:	Blue Ridge
Road/Street Name:	Near Cognizant, Rajiv Gandhi Infotech Park-Phase I
Locality:	Hinjawadi
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	Sanction plan received from Pune Municipal Corporation vide CC/0319/19 Dated 17.05.2019
	IOD/IOA/Concession/Plan Approval Number: Sanction plan received from Pune Municipal Corporation vide CC/0319/19 Dated 17.05.2019
	Approved Built-up Area: 35966
13.Note on the initiated work (If applicable)	Completed construction work as per earlier Environment Clearance .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	17,400 m2
16.Deductions	4,601 m2
17.Net Plot area	12,799 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25,064 m2
	b) Non FSI area (sq. m.): 11,692 m2
	c) Total BUA area (sq. m.): 36756
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 24,274 m2
	Approved Non FSI area (sq. m.): 11,692 m2
	Date of Approval: 17-05-2019
19.Total ground coverage (m2)	6,214 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49%
21.Estimated cost of the project	197500000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building	LP+G+4 Floor	22.90 m

23.Number of tenants and shops	Commercial building
24.Number of expected residents / users	770 nos.
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing 1 residential buildings with 4 wings
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	19 m3/day
	Recycled water - Flushing (CMD):	16 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	35 m3/day
	Fire fighting - Underground water tank(CMD):	100 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	15 m3/day

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Wet season:	**Source of water**	Pune Municipal Corporation (PMC)
	Fresh water (CMD):	19 m3/day
	Recycled water - Flushing (CMD):	16 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	35 m3/day
	Fire fighting - Underground water tank(CMD):	100 m3
	Fire fighting - Overhead water tank(CMD):	10 m3
	Excess treated water	15 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	22-25 meter
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 Nos.
	Size of recharge pits :	2 m x 2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs. 3 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	Underground tank- 1) Domestic UGT- 37 m3 2) Flushing UGT- 16 m3 3) Fire UGT- 100 m3 Overhead tank- 1) Domestic overhead tank -19 m3 2) Flushing overhead tank - 16 m3 3) Fire overhead tank - 10 m3

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35.Storm water drainage	**Natural water drainage pattern:**	By gravity
	Quantity of storm water:	70 m3 /hr
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	33 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. x 35 m3/day
	Location & area of the STP:	Stilt Floor
	Budgetary allocation (Capital cost):	Rs. 21 Lakh
	Budgetary allocation (O & M cost):	Rs. 6 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	3,200 m3
	Disposal of the construction waste debris:	Top soil will be used for landscaping. The construction debris will be utilized at site for road paving and plinth filling.
Waste generation in the operation Phase:	**Dry waste:**	116 kg/day
	Wet waste:	39 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	0.3 kg/day
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and will be handed over to recycler .
	Wet waste:	Wet waste will be composted and used as organic manure for landscaping .
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge will be used as manure for landscaping .
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Stilt floor
	Area for the storage of waste & other material:	25 m2
	Area for machinery:	4 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 6 Lakh
	O & M cost:	Rs. 1 Lakh/year
37.Effluent Charecterestics		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	1,461 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	184 Nos. (Planted at site) & 9 nos. of existing trees on site.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	Completed

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahunia pupurea	Kanchan	12	Evergreen tree, Fast growing, Ornamental, flowering tree
2	Araca catechu	Supari	30	An ornamental, Evergreen single-stemmed palm tree

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3	Lagestromia speciosa	Tamhan	14	SState flower tree of Maharashtra, Medium sized tree, has beautiful purple flowers
4	Populus termiloides	Poplar	08	Shade giving hardy tree, used for road side plantation
5	Cassia fistula	Bahava	13	Medium sized deciduous tree, Beautiful yellow flowers and Butterfly host plant.
6	Cordia sabestina	Geiger Tree	14	Ornamental Tree
7	Magnolia grandifolia	Southern magnolia	5	Large, broad-leafed evergreen tree.
8	Plumeria alba	Chafa	14	Small rounded deciduous tree with fragrant flowers
9	Spathodia companulata	Fountain tree	05	Tall evergreen tree
10	Swietenia mohogony	Mohogony	09	Tall evergreen tree
11	Erythrina indica	Pangara	05	Medium sized deciduous tree. Bright scarlet flowers.
12	Alstonia scholaris	Saptaparni	11	Shady, large evergreen tree, white fragrant flowers
13	Tabebuia rosea	Tabebuia pink	04	Deciduous flowering medicinal tree
14	Michelia champaca	Sonchafa	15	Medium sized evergreen tree, fragrant yellow flowers
15	Mangifera indica	Mango	05	Large evergreen fruiting tree.
16	Anthocephalus cadamba	Kadamb	03	Deciduous tree, large foliage & beautiful tree
17	Couroupita guianensis	Cannonball	07	Large deciduous fruiting tree
18	Peltophorum ferrugineum	Peltophorum	04	Fast-growing evergreen tree with a dense, spreading, umbrella-shaped crown
19	Thespecia populenea	Ranbhend	03	Medium size fast-growing evergreen tree,used in garden plantation
20	Nyctanthes arbor-tristis	Parijatak	02	Medium Deciduous fast growing tree bears fragrant flowers
21	Araucaria columnaris	Christmas tree	01	Ornamental Tree
22	Total no. of proposed trees	-	184	-
23	Existing trees	-	-	-
24	Wild Cherry	Wild Cherry	1	Evergreen fruit bearing tree
25	Azadirachta indica	Kadulimb	1	Medicinal tree
26	Shevri	Shevri	2	Flowering tree
27	Plumeria alba	Chafa	2	Flowering tree
28	Mangifera indica	Mango	1	Evergreen fruiting tree
29	Bahunia pupurea	Apta	1	Flowering tree
30	Michelia champaca	Sonchafa	1	Evergreen fruiting tree
31	Total no. of existing trees	-	9	-
45.Total quantity of plants on ground				

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46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	48 kW
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	600 kW
	During Operation phase (Demand load):	450 kW
	Transformer:	1 no. x 630 kVA
	DG set as Power back-up during operation phase:	1 no. x 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Installation of Solar PV panels at 1% of Demand Load
2. Use of LED Lights
3. Energy efficient motors and pumps

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of solar PV panels	1%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 4 Lakh
	O & M cost:	Rs. 1 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	Rs.1

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2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	Rs.2
3	-	Disinfection at site	Rs.1
4	-	Health check-up for workers, first aid kit	Rs.1
5	-	Safety net	Rs.1
6	Environment management	For Air, Noise, Water Analysis	Rs.1
7	-	Site fencing & noise barrier	Rs.2
8	-	Traffic management	Rs.1
9	-	Vehicle maintenance, washing area, tyre cleaning	Rs.1
10	-	Tree plantation & water utilization	Rs.1
11	Training and awareness	Safety personal protective equipment & Training programs	Rs.1
12	Total	-	Rs.13

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	-	-	-
2	Sewage treatment plant	1 no. of STP having capacity of 35 m3/day	Rs.21	Rs.6
3	Rain Water Harvesting	2 no. of proposed recharge pits of size 2 m x 2 m x 2 m	Rs.3	Rs.1
4	Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC (1 nos.)	Rs.6	Rs.1
5	Landscape development	184 nos. of trees to be planted. Developed and maintained landscape area is 1,461 m2	Rs.5	Rs.1
6	Air Environment	-	-	-
7	Environmental Monitoring	Monitoring and analysis of Air and Noise, water, soil etc	MoEF Approved Lab	Rs.3
8	Energy Conservation	Solar street lighting	Rs.4	Rs.1
9	Fire Fighting System	-	Rs.35	Rs.4
10	Total	-	Rs.74	Rs.17

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 No.
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	1,182 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	180 Nos.
	Number of 4-Wheelers as approved by competent authority:	61 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	This project has received Environment Clearance from Ministry of Environment and Forest GoI vide no. 21-670/2006-IA.III Dated 25th June 2007. We have completed construction of Residential Project as per given Environmental Clearance. We are applying for expansion of Commercial project.

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 17,400 m2, FSI area of 25,064 m2, Non FSI area of 11,692 m2 and total BUA of 36756 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 80th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

1) .

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000293

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for PROPOSED RESIDENTIAL CONSTRUCTION PROJECT AT GAT NO 110P & 112 P AT MAUJE:SOMATANE, TAL: MAWAL, DIST: PUNE

Is a Violation Case: No

1.Name of Project	PROPOSED RESIDENTIAL CONSTRUCTION PROJECT AT GAT NO 110P & 112 P AT MAUJE:SOMATANE, TAL: MAWAL, DIST: PUNE
2.Type of institution	Private
3.Name of Project Proponent	MR. MILIND LUNKAD/MR. ASHWIN LUNKAD
4.Name of Consultant	EMP consultant : Oasis Environmental Foundation, accredited by NABET, the scope of Consultancy is limited to preparation of environmental management plan only. (In accordance with EIA amendment notification 3rd March 2016)
5.Type of project	HOUSING PROJECT
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	GAT NO 110P & 112 P AT MAUJE:SOMATANE,
9.Taluka	MAWAL
10.Village	SOMATANE
Correspondence Name:	NIKHIL AGRAWAL
Room Number:	1
Floor:	2ND FLOOR
Building Name:	MODIBAUGH COMMERCIAL COMPLEX
Road/Street Name:	GANESHKHIND ROAD
Locality:	SHIVAJINAGAR
City:	PUNE
11.Whether in Corporation / Municipal / other area	PMRDA
12.IOD/IOA/Concession/Plan Approval Number	IN PROCESS
	IOD/IOA/Concession/Plan Approval Number: IN PROCESS
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NIL
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	PLAN SANCTION FROM PMRDA IS IN PROCESS
15.Total Plot Area (sq. m.)	20000
16.Deductions	3000
17.Net Plot area	17000
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25491.80
	b) Non FSI area (sq. m.): 13174.55
	c) Total BUA area (sq. m.): 38666.35
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	5250.17
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.16 %
21.Estimated cost of the project	700000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	WING A	P+9	29.60
2	WING B	P+9	29.60
3	WING C	P+9	29.60
4	WING D	P+9	29.60
5	WING E	P+10	32.50
6	CLUB HOUSE	G+1	6.55

23.Number of tenants and shops	544
24.Number of expected residents / users	2720
25.Tenant density per hectare	247
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9M
29.Existing structure (s) if any	NO
30.Details of the demolition with disposal (If applicable)	NO

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	SOMATNE GRAMPANCHAYAT/PMRDA
	Fresh water (CMD):	250
	Recycled water - Flushing (CMD):	122
	Recycled water - Gardening (CMD):	32.89
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	407
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	180
Wet season:	**Source of water**	SOMATNE GRAMPANCHAYAT/PMRDA
	Fresh water (CMD):	250
	Recycled water - Flushing (CMD):	122
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	374
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	213
Details of Swimming pool (If any)	Dimensions of Main Pool: 7.5 m X 12 m X 1.2 m Dimensions of Kids pool: 5m X 5m X 0.6 m Total Water Requirement: 123 CUM Water Requirement for Make Up: 2 CUM/DAY Details of Plant and Machinery used for treatment of water: High rate sand filters, filter media, Self-Priming pump, Control panel for pump, Vacuum fitting Chemicals required for maintaining the Swimming Pool. Disinfection by: Ozonation/ UV Treatment	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2M APPROX
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	1.5M X 1.5M X 1.5M
	Budgetary allocation (Capital cost) :	1,25,000
	Budgetary allocation (O & M cost) :	10,000
	Details of UGT tanks if any :	Domestic UG Tank Capacity - 385 m3 Fire UG Tank Capacity - 150 m3
35.Storm water drainage	**Natural water drainage pattern:**	as per contour
	Quantity of storm water:	2.85
	Size of SWD:	450
Sewage and Waste water	**Sewage generation in KLD:**	335
	STP technology:	MBBR
	Capacity of STP (CMD):	1 X 350 KLD
	Location & area of the STP:	ATTACHED
	Budgetary allocation (Capital cost):	30,00,000
	Budgetary allocation (O & M cost):	3,00,000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	50 kg/day total solid waste from labour camp.
	Disposal of the construction waste debris:	Debris shall be used for back filling and leveling of the plot and remaining will be disposed to authorized sites.
Waste generation in the operation Phase:	**Dry waste:**	544 KG/DAY
	Wet waste:	816 KG/DAY
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	24 KG/DAY
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to SWACH
	Wet waste:	Will be treated in Organic waste converter. Manuare generated will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure after treatment in OWC or vermicomposting
	Others if any:	NA
Area requirement:	**Location(s):**	ATTACHED
	Area for the storage of waste & other material:	20
	Area for machinery:	35
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2,50,000
	O & M cost:	20,000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel	Not applicable
42.Mode of Transportation of fuel to site	Not applicable

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43.Green Belt Development	**Total RG area :**	Mandatory RG Area: 2000.00 m2, , Green on peripheral plantation: 808 m2; Total RG Area: 2808 m2. Green Area on Slab: 1877.87 m2
	No of trees to be cut :	23
	Number of trees to be planted :	No. of trees required (1 tree/ 80 SQM of plot area): 212 compe.trees to cut 69. Total proposed no of trees 281
	List of proposed native trees :	List of proposed trees attached as annexure with form 1 & 1A & Given below
	Timeline for completion of plantation :	4 YRS

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bahunia purpurea	Gulabi Kanchan	30	Every part of the plant have Medicinal value, Drought tolerant species The tree has grey bark that peels in long fiber,
2	Dalbergia Latifolia	Sitsal	20	Compound leaves,flowering
3	Sapodila	Chikku	10	Fruit bearing plant
4	Saraca indica	Sita ashok	35	Medicinal value, Religious plant
5	Ficus glomerata	Umber	14	Medicinal value,Edible fruits,bird attractive
6	Plumeria Alba	Chapha	18	Most attractive, large & strongly perfumed white flowers.
7	Plumeria Rubra	Pink Chapha	16	Popular garden & park plant,fragrant flowers.
8	Phyllanthus emblica	Awala	16	Medicinal value, To control soil erosion.
9	Syzygium cumini	Jamun	18	Medicinal value, Edible fruit.
10	Neolamarckia cadamb	Kadamba	6	The flowers attract pollinators
11	Legistroemia speciosa	banabá plant	8	A decoction of the bark is used against diarrhoea and abdominal pains. A leaf poultice is used to relief malarial fever and is applied on cracked feet
12	Mangifera indica	Mango	15	Edible fruit, Bird attracting species
13	Erythrina indica	Indian Koral tree/ Parijat	7	Flower Plant. Attracts insects and birds.
14	Tectona grandis	Teak	6	Tropical hardwood species, Wood use for furniture
15	Ziziphus mauritiana	Ber	5	Fast growing, Hardy plant, Edible fruit
16	Jack Fruit	Fanas	5	Popular food item, fruit edible
17	Michelia champaka	Sonchafa	11	Fragrant flowers, Timber used in wood working
18	Alizzia lebbeck	Shirish	30	Medium Large tree, native tree
19	Azadirachta Indica	Neem	11	Medicinal plant ,Evergreen plan
20	Existing Trees-23 Nos	NA	-	-
21	Acacia Nilotica	Babhul	7	-

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22	Zizyphus mauritiana	ber	1	-
23	Glyricidia maculata	Giripushpa	15	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	All Shubs & Bushes	Approx. 300 mm	Approx. 1,000

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	1 NOS OF DG OF 250 KVA
	During Operation phase (Connected load):	1551
	During Operation phase (Demand load):	1085
	Transformer:	2 no. of Transformers of 630 KVA capacity & 315 KVA x 1 No
	DG set as Power back-up during operation phase:	2 nos. of DG sets of 320 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar PV Panels : 21600 KWH / Anum
2. Timer Logic Controller : 37175 KWH / Anum
3. Electronic V3F drive for Lifts : 16337 KWH / Anum
4. Solar Water Heater : 567936 KWH / Anum

Total % of Savings: 19.95 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Timer Logic Controller	37175 KWH / Anum
2	Electronic V3F drive for Lifts	16337 KWH / Anum
3	Solar Water Heater	567936 KWH / Anum
4	Solar PV Panels	21600 KWH / Anum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Water for dust suppression measures & Soil Preservation	0.5
2	Site Safety	Barricading & nets	0.3
3	Site Sanitation	Mobile Toilets etc	1.50
4	Disinfection & Health Check Up	For Labours	1.0
5	Environment Monitoring	Air, Water, Noise & DG Stack	0.7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Enaergy Saving	Approx. 18%	16.2	1.5
2	STP	Capacity of STP 350 KLD	30.0	3.0
3	OWC/ Vermicomposting	For Wet Waste Generation	2.5	0.2
4	Solar Hot Water System	Solar Hot Water System	16.5	2.5
5	Rain Water Harvesting	5 nos of recharge pits	1.25	0.1
6	Landscaping	Landscaping Total trees proposed are 281 nos	4	0.4

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Traffic generated from this project will confluent on existing 12m wide road

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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	Covered parking 5250.17 m2 + Open parking 2824 = 8074.17 Sq. m.
	Area per car:	35
	Area per car:	35
	Number of 2-Wheelers as approved by competent authority:	678
	Number of 4-Wheelers as approved by competent authority:	96
	Public Transport:	nearest bus stop
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.

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Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 20000 m2, FSI area of 25491.80 m2, Non FSI area of 13174.55 m2 and total BUA of 38666.35 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

PP has satisfactorily complied with the points raised in 86th meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Proposed construction project by M/s Vivanta Realty

Is a Violation Case: No

1.Name of Project	Residential & Commercial
2.Type of institution	Private
3.Name of Project Proponent	Mr.Vasant Khandu Kate
4.Name of Consultant	M/s JV Analytical Services
5.Type of project	Residential & Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.NO– 133(P) ,134(P),158(P),159(P), Near P.K International School
9.Taluka	Haveli
10.Village	Pimpale Saudagar
Correspondence Name:	Mr.Vivek Gopal Joshi
Room Number:	29
Floor:	-
Building Name:	Goodwill Society
Road/Street Name:	-
Locality:	Aundh
City:	Pune-411007
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: B.P/ENV/Pimpale Saudagar/01/2018
	Approved Built-up Area: 48901.58
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	2039.76 m2
15.Total Plot Area (sq. m.)	11350.95 m2
16.Deductions	1173.15 m2
17.Net Plot area	10177.80 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 25264.02 m2 (Residential: 23224.26 m2 + MHADA: 2039.76 m2)
	b) Non FSI area (sq. m.): 23637.56 m2
	c) Total BUA area (sq. m.): 48901.58
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 25264.02 m2
	Approved Non FSI area (sq. m.): 23637.56 m2
	Date of Approval: 22-10-2018
19.Total ground coverage (m2)	1863.98 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	16.42 % of Total Plot area (11350.95 m2) , 18.31 % of Net Plot area (10177.80 m2)
21.Estimated cost of the project	1760000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing- A	G+P+20	69.9 m
2	Wing- B	G+P+20	69.9 m
3	Wing- C	G+P+20	69.9 m
4	Wing D (Commercial +MHADA)	G+M+10	36.00 m

23.Number of tenants and shops	Total Tenements – 299 Nos. Shops- 04 Nos., Offices- 15 Nos., Gym- 1 No. & Banquet hall - 02 Nos.
24.Number of expected residents / users	Residential Users: 1495 Nos., Commercial: 623 Nos., Total Users: 2118 Nos.
25.Tenant density per hectare	263.41
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	45 M wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	242.25 m3/day (One time)
	Recycled water - Flushing (CMD):	79.74 m3/day
	Recycled water - Gardening (CMD):	12.39 m3/day
	Swimming pool make up (Cum):	00.00 m3/day
	Total Water Requirement (CMD) :	150.13 m3/day
	Fire fighting - Underground water tank(CMD):	400.00 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	92.32 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	229.87 m3/day (One time)
	Recycled water - Flushing (CMD):	79.74 m3/day
	Recycled water - Gardening (CMD):	00.00 m3/day
	Swimming pool make up (Cum):	00.00 m3/day
	Total Water Requirement (CMD) :	150.13 m3/day
	Fire fighting - Underground water tank(CMD):	400.00 m3
	Fire fighting - Overhead water tank(CMD):	80 m3
	Excess treated water	104.16 m3/day
Details of Swimming pool (If any)	Dimensions of Swimming Pool: Main pool: 24.25 x 8.25 avg. x 1.2 mtr. , Main Pool: 15.5x5.0x1.2mt, Kids pool: 3.0 mt diameter Total water Requirement in KLD: 3,55,000 Lit Water requirement in KLD: 11.00 m3/day Details of Plant & Machinery used for treatment of Swimming pool water: Details of quality to be achieved for swimming pool water and parameters to be monitored: Budgetary allocation (Capital cost and O & M cost): Capital Cost : Rs 130.00 Lakh O & M Cost : Rs.16.00 Lakh/Year	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre- Monsoon:-12 to 15 m below ground level ,Post -Monsoon:- 5 to 7 m below ground level
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	03 Nos.
	Size of recharge pits :	2.00 x 1.00 x 2.00 M
	Budgetary allocation (Capital cost) :	Rs. 3.00 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1.50 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank Capacity: 243.00 m3 Flushing UG tank Capacity: 121.00 m3 Fire UG tank capacity: 400.00 m3
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	6.02 m3/ min
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	Residential: 159.16 m3/day, MHADA: 22.46 m3/day & Commercial: 25.23 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	STP1:170 m3/day , STP2: 30 m3/day , STP3: 30 m3/day
	Location & area of the STP:	STP1 - 80.00 m2, STP2 - 29.05 m2 , STP3 - 29.05 m2
	Budgetary allocation (Capital cost):	STP1 - Rs. 51.82 Lakh , STP2 - Rs. 21.55 Lakh , STP3 - Rs. 21.55 Lakh
	Budgetary allocation (O & M cost):	STP1 - Rs. 7.65 Lakh/Year , STP2 - Rs. 3.61 Lakh/Year, STP3 - Rs. 3.61 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	40 Kg/day
	Disposal of the construction waste debris:	Use for Leveling
Waste generation in the operation Phase:	**Dry waste:**	248.56 kg/day (Residential - 176.85 kg/day ,MHADA - 24.98 kg/day & Commercial- 46.73 kg /day)
	Wet waste:	579.96 kg/day (Residential - 412.65 kg/day ,MHADA - 58.28 kg/day & Commercial- 109.03 kg /day)
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Residential - 34 kg/day , MHADA - 6.00 kg/day & Commercial - 6.00 Kg/day
	Others if any:	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	SWaCH
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure after treatment in OWC
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	OWC 1(Residential) - 48.00 m2 , OWC 2 (MHADA) - 15.00 m2 , OWC 3 (Commercial) - 15.00 m2
	Area for machinery:	Included in other area
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	OWC 1 - Rs.18.25 Lakh , OWC 2 - Rs. 9.39 Lakh , OWC 3 - Rs. 9.56 Lakh
	O & M cost:	OWC 1 - Rs. 2.76 Lakh/Year , OWC 2 - Rs. 2.34 Lakh/Year , OWC 3 - Rs. 2.34 Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Amount of effluent generation (CMD):	Not Applicable
Capacity of the ETP:	Not Applicable
Amount of treated effluent recycled :	Not Applicable
Amount of water send to the CETP:	Not Applicable
Membership of CETP (if require):	Not Applicable
Note on ETP technology to be used	Not Applicable
Disposal of the ETP sludge	Not Applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set- 180 KVA- 1No.	HSD	S - 1	4.27	To be provided	To be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	41.31 lit./hr	41.31 lit./hr

41.Source of Fuel	Bharat Petroleum Corporation Limited/ Hindustan Petroleum
42.Mode of Transportation of fuel to site	By Roadway

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43.Green Belt Development	**Total RG area :**	1173.15 m2
	No of trees to be cut :	26 Nos.
	Number of trees to be planted :	200 Nos.
	List of proposed native trees :	200 Nos.
	Timeline for completion of plantation :	Mid of Construction

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	08	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	09	Evergreen tree, fast growing
3	Saraca asoka	Sita Ashok	07	Shady tree with red-yellow flowers.
4	Anthocephallus cadamba	Kadamb	06	Shady, large tree, ball shaped flowers.
5	Lagerstroemia flos-regineae	Tamhan	08	State flower tree of Maharashtra. Medium sized tree, beautiful purple flowers
6	Murraya paniculata	Kunti	08	Small tree, Fragrant white flowers,Butterfly host plant
7	Manilkara zapota	Chiku	09	Medium size , fruit bearing tree
8	Mangifera indica	Mango	11	Tall, fruit bearing tree
9	Syzygium cumini	Jambhul	10	Dense ornamental, fruit bearing tree
10	Psidium guajava	Peru	08	Medium size , fruit bearing tree
11	Ficus retusa	Nandruk	09	Medium sized evergreen tree, Shady tree.
12	Michelia champaca	Son chafa	05	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
13	Terminalia catapa	Badaam	10	Drought tolerant
14	Terminalia arjuna	Arjuna	05	Large evergreen tree
15	Lagerstromia Lanceolata	Crape-myrtle	07	Medium deciduous tree. Flowers attract many birds.
16	Dalbergia latifolia	Shisham, Indian Rosewood	08	Drought tolerant
17	Terminalia paniculata	Kindal	07	Drought tolerant
18	Samanea saman	Rain tree	09	Large deciduous tree. Flowering
19	Tabebuia avellanedae	Tabebuia Pink	08	Large deciduous tree. Pink flowering
20	Tabebuia argentea	Tabebuia argentea	08	Decidous tree, ornamental, yellow flowers
21	Swietenia mahagoni	Mahagony	08	Large evergreen tree
22	Plumeria alba	Chafa	09	Fragrant white-yellow flowers
23	Ficus Bengalensis	Vad	07	Huge evergreen tree

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24	Ficus Religiosa	Pimpal	10	Quick growing, auspicious
25	Caryota Mitis	Fishtail Palm	06	Evergreen tree, fast growing
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	75 KW
	DG set as Power back-up during construction phase	82.5 KVA- 1No.
	During Operation phase (Connected load):	2230 KW
	During Operation phase (Demand load):	1126 KW
	Transformer:	2 Nos. x 630 KVA
	DG set as Power back-up during operation phase:	180 KVA - 01 No.
	Fuel used:	HSD – 41.31 lit./hr (DG Set: 180 KVA)
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

- Auto Timer control for external & Common lighting
- Use of CFL / LED lamps in all public/ common areas.
- Solar powered water heating.
- Electronic V3F Drives for Elevators
- Solar PV Panel power for common area lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	16200 KWH / Annum
2	Timer Logic Controller	41610 KWH / Annum
3	Electronic V3F drive for Lifts	23318 KWH / Annum
4	Solar Water Heater	520260 KWH / Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green Belt will be provided.
Water	-	STP will be installed & excess treated Water used for flushing &gardening.

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Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid waste	-	Wet waste will be treated in OWC. STP sludge will be used as manure after treatment in OWC dry waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 80.52 Lakh
	O & M cost:	Rs. 3.43 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air& Noise Monitoring	0.50
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation- Mobile toilets	0.50
4	Socio Economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Crèches for Children, Food for children, Personal Protective Equipment	1.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP-1	170 m3/day	Rs. 51.82 Lakh	Rs. 7.65 Lakh/Year
2	STP-2	30 m3/day	Rs. 21.55 Lakh	Rs. 3.61 Lakh/Year
3	STP-3	30 m3/day	Rs. 21.55 Lakh	Rs. 3.61 Lakh/Year
4	RWH	-	Rs. 3.00 Lakh	Rs.1.50 Lakh/Year
5	MSW- 1	OWC -1	Rs.18.25 Lakh	Rs. 2.76 Lakh/Year
6	MSW- 2	OWC -2	Rs. 9.39 Lakh	Rs. 2.34 Lakh/Year
7	MSW- 3	OWC -3	Rs. 9.56 Lakh	Rs. 2.34 Lakh/Year
8	Energy System	-	Rs. 80.52 Lakh	Rs. 3.43 Lakh/Year
9	Landscaping	-	Rs. 14.32 Lakh	Rs. 4.08 Lakh/Year
10	Swimming Pool	-	Rs.130.00 Lakh	Rs.16.00 Lakh/Year
11	Safety Equipments	-	Rs.10.00 Lakh	Rs. 2.00 Lakh/Year
12	Post EC Monitoring	-	-	Rs. 2.50 Lakh/Year
13	Dry Waste Management	-	-	Rs.1.79 Lakh/Year

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	-
	Number and area of podia:	1 No. & Area - 4100 m2
	Total Parking area:	10517.20 m2
	Area per car:	44.00 m2
	Area per car:	44.00 m2
	Number of 2-Wheelers as approved by competent authority:	804 Nos.
	Number of 4-Wheelers as approved by competent authority:	239 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	7.5 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	B2
	Court cases pending if any	No
	Other Relevant Informations	-

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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

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Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 11350.95 m2, FSI area of 25264.02 m2, Non FSI area of 23637.56 m2 and total BUA of 48901.58 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

PP has satisfactorily complied with the points raised in 81st meeting of SEAC-3.

*SEAC decided to **recommend** the proposal for prior environmental Clearance.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

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90 SEAC-3 meeting Day 03

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Application for Expansion of construction of "Jupiter Hospital" project by Jupiter Lifeline Hospitals Ltd. at Baner, Pimple-Nilakh Road, near Ambedkar Bridge, Baner, Pune, Maharashtra

Is a Violation Case: Yes

1.Name of Project	Expansion of construction of "Jupiter Hospital" project by Jupiter Lifeline Hospitals Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Dr. Ajay P. Thakker - Jupiter Lifeline Hospitals Ltd.
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra.
5.Type of project	Hospital Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project.
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, Environment clearance has been received from Government of Maharashtra File no. SEAC-2012/CR-118/TC-2 dated 29.09.14
8.Location of the project	S.No. 141/3, 142/3, 142/1+2, 143/1+3+4+5, Baner, Pimple-Nilakh Road, near Ambedkar Bridge, Baner.
9.Taluka	Haveli
10.Village	Baner
Correspondence Name:	Jupiter Lifeline Hospitals Ltd.
Room Number:	NA
Floor:	1A-13A,
Building Name:	Apurva Apartments
Road/Street Name:	Govardhan Nagar
Locality:	LBS Marg Mulund (West)
City:	Mumbai - 400080
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate no. 100/2870/16 dated 15/12/16
	Approved Built-up Area: 12700
13.Note on the initiated work (If applicable)	Construction completed at site as per proposed expansion i.e. addition one and half floors (2B+LG+G+10)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	9,500 m2
16.Deductions	3,253 m2
17.Net Plot area	6,247 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12,698 m2
	b) Non FSI area (sq. m.): 27,816 m2
	c) Total BUA area (sq. m.): 40514
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12700
	Approved Non FSI area (sq. m.): 11393
	Date of Approval: 15-12-2016
19.Total ground coverage (m2)	2,863 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	46%
21.Estimated cost of the project	2065000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building	2B+LG+G+10	37.85 m

23.Number of tenants and shops	350 no. of beds
24.Number of expected residents / users	1,400 no users
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7 m
29.Existing structure (s) if any	Total constructed area is 40,514 m2
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	192 m3/day
	Recycled water - Flushing (CMD):	53 m3/day
	Recycled water - Gardening (CMD):	30 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	328 m3/day
	Fire fighting - Underground water tank(CMD):	150 m3
	Fire fighting - Overhead water tank(CMD):	25 m3
	Excess treated water	Not Applicable
Wet season:	**Source of water**	Pune Municipal Corporation
	Fresh water (CMD):	192 m3/day
	Recycled water - Flushing (CMD):	53 m3/day
	Recycled water - Gardening (CMD):	15 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	328 m3/day
	Fire fighting - Underground water tank(CMD):	150 m3
	Fire fighting - Overhead water tank(CMD):	25 m3
	Excess treated water	Not Applicable
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10- 15 m
	Size and no of RWH tank(s) and Quantity:	1 no. of RWH tank having capacity 111 m3
	Location of the RWH tank(s):	Second Basement of building
	Quantity of recharge pits:	4 no. of recharge pits
	Size of recharge pits :	2m * 1.2 m * 1m depth
	Budgetary allocation (Capital cost) :	Rs. 18 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2 Lakh
	Details of UGT tanks if any :	Domestic UGT Tank : 493 m3 Fire Fighting UGT Tank: 150 m3
35.Storm water drainage	**Natural water drainage pattern:**	Into Rainwater harvesting pit – Overflow to Municipal External Drain.
	Quantity of storm water:	56 m3/day
	Size of SWD:	200 mm dia.
Sewage and Waste water	**Sewage generation in KLD:**	172 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no of STP having capacity 180 m3/day
	Location & area of the STP:	Utility block area 247 m2
	Budgetary allocation (Capital cost):	Rs. 58 Lakh
	Budgetary allocation (O & M cost):	Rs. 10 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction completed
	Disposal of the construction waste debris:	Used for backfiling and leveling of site
Waste generation in the operation Phase:	**Dry waste:**	420 kg/day
	Wet waste:	275 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	125 kg/day
	STP Sludge (Dry sludge):	2 kg/day
	Others if any:	Not Applicable

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Mode of Disposal of waste:	**Dry waste:**	Dry waste will be further segregated into recyclable an non-recyclable waste. Recyclable dry waste will be sent to approved recycling agencies. Non-recyclable dry waste will be handed over to Municipality for disposal as approved.
	Wet waste:	Wet waste will be used at site in Organic Waste Converter to produce manure .
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Biomedical waste will be taken separately and will given to collecting agencies or Municipal Authorities.
	STP Sludge (Dry sludge):	Dry Sludge will be used as manure for plantation and gardening purpose inside the premises.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Near STP of site
	Area for the storage of waste & other material:	67 m2
	Area for machinery:	26 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakh
	O & M cost:	Rs. 10 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Amount of effluent generation (CMD):	47 m3/day
Capacity of the ETP:	60 m3/day
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Raw effluent being discharged from the hospital will be collected separately and will be treated in the effluent treatment plant before blending the same with sewage treatment plant. Effluent Treatment System will consist of following treatment units. 1. Screen Chamber. 2. Receiving Sump/ Collection Tank. 3. Flash Mixing Chamber followed by flocculation tank. 4. Reaction Tank no for ozonation 5. Inclined tube primary clarifier.
Disposal of the ETP sludge	ETP sludge will sent to common hazardous waste disposal site

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	1,686 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	174 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	6 to 9 months

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Swetenia mahagony	Mahagony	15	Medium size tree, semi evergreen and semidecidius tree. 10-15 m tall.
2	Pongamia glabra	Karanj	05	Shady tree for road side plantation. Medicinal uses.
3	Cochlospermum	Galgal	12	Shady deciduous tree. 10-15 m tall.
4	Azardirachta indica	Neem	14	Hardy evergreen tree, has medicinal properties
5	Plumeria alba	Frangipani	32	Showy plants with large purple blooms to attract birds and bees.
6	Putranjiva roxburghii	Putranjiva	27	Moderate size evergreen tree for road side plantation. Used for worship.
7	Michelia champaca	Sonchafa	07	Medium sized evergreen tree, fragrant yellow flowers
8	Khaya grandis	African mahagony	11	Shady tree for road side plantation and has medicinal properties
9	Peltophorum	Copper pod	12	Shady tree for road side plantation
10	Cassia fistula	Amaltas	25	Showy tree for road side plantation. Medicinal uses. Attract bees, birds and butterflies
11	Salix babylaonica	Salix	14	Salix can withstand water logging and so planted near waterbodies.
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not Applicable	Not Applicable	Not Applicable

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	3,205 kW
	During Operation phase (Demand load):	1,692 kW
	Transformer:	2 no. of transformer having capacity 1500 kVA
	DG set as Power back-up during operation phase:	2 no. of DG set having capacity 1,010 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Solar and LED used

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar and LED	2%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakh
	O & M cost:	Rs. 1 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Training and awareness	Personal Protective Equipment	Rs.1
2	Socio-economic environment	Site sanitation facility and safety	Rs.2
3	Air environment	Water for dust suppression	Rs.2
4	Environment Management	For Air, Noise, Water analysis and solid waste management	Rs.3
5	-	Traffic Management	Rs.1

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6	-	House Keeping	Rs.2
7	Health checkup	Health Check up for workers, First aid kit disinfection	Rs.2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant + Effluent Treatment Plant	1 no of STP having capacity of 180 m3/day	Rs.58	Rs.10
2	Green Belt Development	Tree Plantation	Rs.25	Rs.6
3	Solid Waste Management (including Biomedical waste)	OWC	Rs.20	Rs.10
4	Rainwater Harvesting	4 nos. of recharge pits18	Rs.18	Rs.2
5	Storm Water Networking	Laying of storm & Sewer line up to final disposal point	Rs.15	Rs.1
6	Water Treatment Plant	-	Rs.20	Rs.1
7	Energy Conservation Measures	Solar Street Lighting	Rs.20	Rs.1
8	Environmental Monitoring	Monitoring & analysis of Air, Noise, Water analysis	MoEF approved laboratory	Rs.2
9	Safety Measures	-	Rs.74	Rs.11

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 no.

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Parking details:	**Number and area of basement:**	2 nos. of basement having area-4889 m2
	Number and area of podia:	Not Applicable
	Total Parking area:	5,753 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	573 no.
	Number of 4-Wheelers as approved by competent authority:	154 no.
	Public Transport:	Not Applicale
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Project already considered in 2nd EAC(violation) meeting, Item No.2.4.6 dated 16/01/2018 File No.IA/MH/NCP/71608/2017 & project minuets was generated.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-08-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-

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Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 9,500 m2, FSI area of 12,698 m2, Non FSI area of 27,816 m2 and total BUA of 40514 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018 along with details of fund utilization & agreement or consent of executor.

2. PP to submit detailed disaster management plan incorporating Disaster Management Committee after construction is complete.

3. PP to revise Traffic Impact Assessment Study with detailed assumption made for traffic growth etc. and other factors.

4. Intersection diagram of all four approach road with number of lanes available at each junctions shall be submitted.

5. PP to submit traffic volume diagram at all approach roads.

6. PP to submit V/C ratios for present and future traffic for 5, 10, 15 years period with and without project.

7. PP to submit details of mitigation measures such as junction improvements, road widening etc.

8. PP to clarify regarding disposal of excess debris.

9. PP to submit details of internal storm water drain and sewage up to final disposal point.

10. PP to submit geo-hydrological report along with details of RWH pits and aquifers etc.

11. PP to submit details of STP, ETP and OWC.

12. PP to submit indemnity bond.

13. PP to submit master layout superimposing all environmental parameters.

14. PP to revise parking layout plan for all three levels by removing all dependent parking.

15. PP to submit parking statement showing total number of parking required and proposed as per DCR with area per car as per norms.

16. PP to submit UGT sections.

17. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply (c) Drainage NOC. (d) solid waste / e-waste management.

18. PP to submit survival report of existing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

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FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000293

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Construction Project "Eternia" at Survey No. 53/1B, 53/2, 53/3A, Ghorpadi, Pune by M/s Kakade Kundan Ventures

Is a Violation Case: No

1.Name of Project	Eternia
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rakshit Oswal
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Residential & Commercial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	SEIAA-EC-0000000269 dated May 4, 2018
8.Location of the project	Survey No.53/1B, 53/2, 53/3A ,Ghorpadi, Pune
9.Taluka	Haveli
10.Village	Ghorpadi
Correspondence Name:	Mr. Rakshit Oswal
Room Number:	-
Floor:	1st Floor
Building Name:	Kundan Heritage
Road/Street Name:	Opp Khadaki Railway Station
Locality:	Mumbai-Pune Highway
City:	Pune
11.Whether in Corporation / Municipal / other area	PMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area: 49339.07
13.Note on the initiated work (If applicable)	As on date Total Built up area constructed on site 29338.68 Sq. m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied
15.Total Plot Area (sq. m.)	15000.00
16.Deductions	5266.64
17.Net Plot area	9365.57
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 30867.53
	b) Non FSI area (sq. m.): 43259.19
	c) Total BUA area (sq. m.): 74126.72
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 19,686.05
	Approved Non FSI area (sq. m.): 25187.83
	Date of Approval: 23-03-2016
19.Total ground coverage (m2)	1506.57
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	10.04% of Total Plot Area (15000.00 m2) 16.08% of Net Plot Area (9365.57m2)
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	LB + UB + P + Stilt + 22 Floors	69.95
2	Wing B	Ground + Stilt +11	69.95
3	C (Commercial Building)	G+1	6.70
4	D (Meditation)	G	3.95

23.Number of tenants and shops	Total Tenements –351 Nos. & Commercial Shops
24.Number of expected residents / users	Residential Users: 1755 Nos. Commercial Users: 18 Nos.
25.Tenant density per hectare	450
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m
29.Existing structure (s) if any	A Building- 20 Floors completed, Temple, STP in process, Podium completed, Transformer room completed
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	Source of water	PMC
	Fresh water (CMD):	158.5
	Recycled water - Flushing (CMD):	79.5
	Recycled water - Gardening (CMD):	16.00
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	318
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	118.5
Wet season:	Source of water	PMC
	Fresh water (CMD):	158.5
	Recycled water - Flushing (CMD):	79.5
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	318
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	134.5
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	158.5	158.5	0	16	16	0	142.5	142.5
Gardening	0	16	16	0	16	16	0	0	0
Fresh water requirement	0	158.5	158.5	0	16	16	0	142.5	142.5

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per hydrogeo report
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5 Nos
	Size of recharge pits :	2.0 m x 2.0 m x 2.0 m
	Budgetary allocation (Capital cost) :	Rs. 11.50 lakh
	Budgetary allocation (O & M cost) :	Rs. 0.50 Lakh/year
	Details of UGT tanks if any :	Domestic UG tank Capacity : 237 m3 Flushing UG tank Capacity : 79 m3 Fire UG tank Capacity : 100 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per contour layout
	Quantity of storm water:	6841.9 m3/Year
	Size of SWD:	450 mm dia pipe
Sewage and Waste water	**Sewage generation in KLD:**	214 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No of 220 m3/day
	Location & area of the STP:	60 m2
	Budgetary allocation (Capital cost):	Rs. 46.5 Lakh
	Budgetary allocation (O & M cost):	Rs. 3.5 Lakh/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	Use of Leveling
Waste generation in the operation Phase:	**Dry waste:**	223 kg/day
	Wet waste:	572 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	22.30 kg/day
	Others if any:	E Waste- 88 Kg/d

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Authorized vendor
	Wet waste:	Will be composted onsite by Organic waste composter & Manure will be used for landscape/greenbelt
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be composted onsite & Manure will be used for landscape/greenbelt
	Others if any:	E waste will be handed over to authorized vendor
Area requirement:	**Location(s):**	As per master layout
	Area for the storage of waste & other material:	35 m2
	Area for machinery:	15 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12.75 Lakh
	O & M cost:	Rs. 2.9 Lakh/Year

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set of 180 KVA	HSD	S-1	4.27 m	to be provided	to be provided

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD for 320 KVA	Not applicable	60.0 lit/hr.	60.0 lit/hr.
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		by road		

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43.Green Belt Development	**Total RG area :**	1465 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	188
	List of proposed native trees :	As belows
	Timeline for completion of plantation :	mid of construction

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Simarouba glauca	Laxmi Taru	23	Tall tree, Medicinal, use as timber
2	Ailathus excelsa	Maharukh	23	Large tree, good for roadside planta
3	Cassia fistula	Bahawa	29	Draught Tolerant
4	Roystonea regia	Royal palm	23	Ornamental, The fruit is eaten
5	Dalbergia sissoo	Sisoo	23	Medium to large deciduous tree,
6	Bauhnia purpurea	Butterfly tree	23	Small to medium-sized deciduous
7	Lagerstroemia speciosa	Pride of India	23	Deciduous plant, popular garden
8	Lagerstromia speciosa	Taman	27	Ornamental and Medical
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KVA
	DG set as Power back-up during construction phase	1 No. x 40 KVA
	During Operation phase (Connected load):	2419 KW
	During Operation phase (Demand load):	1041 KW
	Transformer:	630 KVA X 2 Nos.
	DG set as Power back-up during operation phase:	320 KVA x 1 No.
	Fuel used:	60.0 lit/hr.
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

•Solar Water Heating Systems Will Be Done For Bathrooms.
•Solar lights will be provided for common amenities like Street lighting & Garden lighting.
•CFL & LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
•Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
•Water Level Controllers with Timers will be used for Water Pumps.
•To create awareness to end consumer or flat owner, for using energy efficient light fittings like CFL, T5 Lamps & LED Lights.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Generally we have proposed high efficiency	258015 KWH / Annum

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided.
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid Waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 45 Lakh
	O & M cost:	Rs. 0.9 Lakh/year

51.Environmental Management plan Budgetary Allocation

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a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50
2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50
3	Land Environment	Site Sanitation –Mobile toilets	0.50
4	Socio-economic	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	2.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Sewage Treatment Plant	46.50	3.5
2	RWH	Rain Water Harvesting	11.50	0.50
3	MSW	Municipal Solid Waste	5.22	0.5
4	Solar System	Solar System	45	0.9
5	Landscaping	Gardening	20	1.6
6	Drainage disposal	Drainage disposal	4.50	0.50
7	Environmental Monitoring	Ambient Air quality, Noise Level	0.00	1.5

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	one

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Parking details:	**Number and area of basement:**	-
	Number and area of podia:	--
	Total Parking area:	24098 m2
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	456 Nos.
	Number of 4-Wheelers as approved by competent authority:	Scooters: 714, Cycles: 704
	Public Transport:	Available
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B2- Building & Construction Project
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 15000 m2, FSI area of 30867.53 m2, Non FSI area of 43259.19 m2 and total BUA of 74126.72 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. PP to submit completion certificate of construction work of Rs. 64 Cr for exempting the amount from CER. PP to revise CER giving details of name / number and place where activity is to be implemented

2. PP to submit detailed disaster management plan incorporating Disaster management Committee during construction and after construction.

3. PP to submit details of internal storm water drain and sewer up to final disposal point.

4. PP to submit geo-hydrological report along with details of RWH pits.

5. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

6. PP to submit energy saving calculations.

7. PP to submit master layout superimposing all environmental parameters.

8. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply (c) Drainage NOC. (d) NOC for nall training..

9. PP to submit plantation plan incorporating local native fruit bearing trees.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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90 SEAC-3 meeting Day 03

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Amendment for Environmental Clearance for the Proposed Modification / Expansion of IT Park project "Embassy Tech Zone" at Plot No. 03, Rajiv Gandhi Infotech Park, Phase II, MIDC, Hinjewadi, Pune, Maharashtra.

Is a Violation Case: No

1.Name of Project	Embassy Tech Zone
2.Type of institution	Private
3.Name of Project Proponent	Embassy Office Parks Pvt. Ltd.
4.Name of Consultant	Samrakshan
5.Type of project	IT Park
6.New project/expansion in existing project/modernization/diversification in existing project	Modification/expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance (EC) obtained from State Level Environment Impact Assessment Authority (SEIAA), Maharashtra vide letter No. SEAC-2010/CR.297/TC.2 dated 11.7.2011
8.Location of the project	"Embassy Tech Zone" at Plot No. 03, Rajiv Gandhi Infotech Park, Phase II, MIDC, Hinjewadi, Pune, Maharashtra.
9.Taluka	Hinjawadi
10.Village	Rajiv Gandhi Infotech Park, Phase II, MIDC
Correspondence Name:	M/s Embassy Office Parks Pvt. Ltd.,
Room Number:	No. 150
Floor:	Not applicable
Building Name:	Not applicable
Road/Street Name:	Infantry Road
Locality:	Not applicable
City:	Bengaluru - 560001
11.Whether in Corporation / Municipal / other area	MIDC area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 489815
13.Note on the initiated work (If applicable)	Presently 8 blocks are under operation and 10 blocks are yet to be constructed
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	EC obtained - 2,76,874 sq m (68.43 acres) and Scenario after expansion - 2,72,979 sq m (67.47 area)
16.Deductions	None
17.Net Plot area	EC obtained - 2,76,874 sq m (68.43 acres) and Scenario after expansion - 2,72,979 sq m (67.47 area)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** As per plan approval obtained from MIDC
	b) Non FSI area (sq. m.): As per plan approval obtained from MIDC
	c) Total BUA area (sq. m.): 490328
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** As per plan approval obtained from MIDC
	Approved Non FSI area (sq. m.): As per plan approval obtained from MIDC
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	76055
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27.86
21.Estimated cost of the project	14350000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Block 1 (Office) - Existing	S1 + S2 + G + 5 Floors	29.10
2	Block 2 (Office) - Existing	S1 + S2 + G + 5 Floors	29.10
3	Block 3 (Office) - Existing	G + 10 Floors	41.25
4	Block 3 (MLCP 1) - Existing	G + 6 Floors	41.25
5	Block 4 (Office) - Proposed	9 Floors	38.55
6	Block 4 (MLCP 2) - Proposed	S1 + S2 + G + 3 Floors	38.55
7	Block 5 (Office) - Existing	LG + G + 8 Floors	37.50
8	Block 5 (MLCP 3) - Existing	LG + G + 5 Floors	37.50
9	Block 6 (Office) - Existing	G + 9 Floors	37.95
10	Block 7 (Office) - Proposed	S + G + 9 Floors	37.95
11	Block 8 (Office) - Proposed	S + G + 9 Floors	37.95
12	Block 9 (Office) - Proposed	G + 17 Floors	56.25
13	Block 10 (Office) - Proposed	G + 22 Floors	70.00
14	Block 11 (Office) - Existing	S + G + 7 Floors	33.15
15	MLCP 4 - Proposed	G + 6 Floors	29.70
16	MLCP 5 - Proposed	G + 10 Floors	29.70
17	Food Court - Existing	G + 2 Floors	13.5
18	Training center - Existing	G + 2 Floors	8.4

23.Number of tenants and shops	Occupancy Phase - 48,046 numbers after Modification and Expansion
24.Number of expected residents / users	Occupancy Phase - 48,046 numbers after Modification and Expansion
25.Tenant density per hectare	1778 numbers
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Provided as per MIDC Norms
29.Existing structure (s) if any	Presently 8 Office / MLCP buildings are in operation
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

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Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	IT Park	489815	513	490328

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	973 KLD
	Recycled water - Flushing (CMD):	1202 KLD
	Recycled water - Gardening (CMD):	314 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2175 KLD
	Fire fighting - Underground water tank(CMD):	Provided
	Fire fighting - Overhead water tank(CMD):	provided
	Excess treated water	442 KLD (AC Cooling tower make up)
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	Roof top water is collected and reused for domestic purposes
	Recycled water - Flushing (CMD):	Roof top water is reused
	Recycled water - Gardening (CMD):	Controlled watering (As and when required) will be done during rainy season
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	874 KLD	1301 KLD	2175 KLD	Not applicable	Not applicable	Not applicable	787 KLD	1171 KLD	1958 KLD

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	50 meters
	Size and no of RWH tank(s) and Quantity:	Rain water storage tanks are provided in the project
	Location of the RWH tank(s):	At basement level
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Already implemented
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	Slopping pattern in the project is maintained
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable
Sewage and Waste water	**Sewage generation in KLD:**	1958 KLD
	STP technology:	Extended Aeration Activated Sludge Process
	Capacity of STP (CMD):	Existing - Presently STps of 4 X 220 KLD and 1 X 400 KLD are in operation (Totaling 1280 KLD capacity) and Proposed - STPs of 220 KLD, 350 KLD and 410 KLD (Totaling 980 KLD) will be established for the blocks which are yet to be constructed.
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	8 Lakhs
	Budgetary allocation (O & M cost):	1 Lakhs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	13.5 KLD
	Disposal of the construction waste debris:	Construction debris of about 150 cum generated will be used as preparatory materials for road formation activities within the project site.
Waste generation in the operation Phase:	**Dry waste:**	Total after expansion - 3796 Kg/day
	Wet waste:	Total after expansion - 5694 Kg/day
	Hazardous waste:	5000 Liters/ annum
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	814 kg/day
	Others if any:	Not applicable

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Mode of Disposal of waste:	**Dry waste:**	The dry waste is sent for recycling.
	Wet waste:	Wet waste is treated through Vermi Composting Method and manure generated is used for landscape development within the project
	Hazardous waste:	Sent to re processor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	used as organic manure for the development of plantations within the premises
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Out side the building in designated area
	Area for the storage of waste & other material:	100 sq m
	Area for machinery:	20 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 Lakhs
	O & M cost:	50,000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6 to 8	6.5 to 8.5	Conforms
2	BoD	mg/l	350 to 400	<10 mg/l	Conforms

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	used oil	5.1	Not applicable	2000 Liters/annum	3000 Liters/annum	5000 Liters/annum	Disposed through authorized re processor

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	8 no's X 1500 kVA DG Set - Existing	Diesel - 315 Liters /hr for each DG set	1	30 meters	80 mm	Not applicable
2	9 no's X1010 kVA DG Set - Existing	Diesel - 213 Liters/hr for each DG set	2	30 meters	80 mm	Not applicable
3	1 No. X 1110 kVA DG Set - Existing	Diesel - 234 lietrs/hr for each DG set	3	30 meters	80 mm	Not applicable
4	6 no's X 1500 kVA DG Set - Proposed	Diesel - 315 Liters/hr for each DG set	4	30 meters	80 mm	Not applicable

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5	4 no's X 1010 kVA DG Set - Proposed	Diesel - 213 liters/hr for each DG set	5	30 meters	80 mm	Not applicable
6	3 no's X 1110 kVA DG Set - Proposed	Diesel - 234 Liters/hr for each DG set	6	30 meters	80 mm	Not applicable
7	4 Np's X 2000 kVA DG Set - Proposed	Diesel - 420 Liters/hr for each DG set	7	30 meters	80 mm	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	4671 Liters/hr	5124 Liters/ hr	9795 Liters/hr
41.Source of Fuel		Near by outlet		
42.Mode of Transportation of fuel to site		Trucks		

43.Green Belt Development	**Total RG area :**	1,0,4,460 sq m
	No of trees to be cut :	None
	Number of trees to be planted :	Presently 5075 trees and 4200 trees palms and bamboos are planted at site.
	List of proposed native trees :	native and Indigenous trees species will be planted
	Timeline for completion of plantation :	already planted and also plantation will be taken up once the construction of proposed building is started.

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Spathodia, Delnox regia, Casia fistula, Eruthrina indica, Filicium decipes, Jacaranda mimosifolia, Melia azardichta, Millingtonia hortensis, Mimusops elengill, Plerospermum acerifolium, Kadamba, Plumeria alba, Alistonia, Terminilia mantaly, Madhuka longifolia, Michelia champaka, Pongamia pinnata, Plumeria obtuse, Plumeria rubra, Saraca indica, Lagestronia indica, Bahunia purperia, Tabubia rosea, Cordia sabestina.	-	5075	native and Indigenous trees species will be planted
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

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47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	500 kVA
	DG set as Power back-up during construction phase	1 no. X 500 kVA DG Set
	During Operation phase (Connected load):	50,000 kVA
	During Operation phase (Demand load):	50,000 kVA
	Transformer:	Installed in the project
	DG set as Power back-up during operation phase:	Existing - 8 X 1500 kVA, 9 X 1010 kVA and 1 X 1110 kVA capacity DG sets and Proposed - 6 X 1500 kVA, 4 X 1010 kVA, 3 X 1110 kVA and 4 X 2000 kVA capacity DG Sets are proposed to be added along with the DG sets which are in operation.
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

Solar Street light and lighting for common areas is proposed.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving measures viz., low loss energy, efficient transorners, LEDs, ballets, variable frequency drives for motors for low power consumption is used in the project.	-

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Sets	Acoustic enclosures and adequate stack as per norms	Not applicableAcoustic enclosures and adequate stack as per norms

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 lakhs
	O & M cost:	2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water environment	• Sprinkling to control fugitive dusts and Construction & curing purposes	Capital cost of 10 lakhs and recurring cost of 2 lakhs

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2	Water environment	Sewage Treatment Plant for Operation Phase	Capital cost of 200 lakhs
3	Water environment	Potable water requirement for the construction workers	Capital cost of 3 lakhs and recurring cost of 1 lakh
4	Water environment	Temporary Storm Water Drains	Capital cost of 10 lakhs and recurring cost of 1 lakhs
5	Safety	Personal protection safety gadgets and health care	Capital cost of 2 lakhs and recurring cost of 1 lakhsCapital cost of 2 lakhs and recurring cost of 1 lakh
6	Safety	First aid facilities for workers	Capital cost of 2 lakhs and recurring cost of 1 lakh
7	Landscape development	Nurturing and planting of Saplings	Capital cost of 10 lakhs
8	Environmental Monitoring Plan	Air, Noise, Water and soil - Monitoring	Recurring cost of 2 lakhs

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Environmental Management Plan	Environmental Management Plan comprise of Operation of Sewage Treatment Plant, Rain water harvesting and Ground water recharging, DG sets acoustic & Maintenance, Landscape development, Solid waste management and Environmental Monitoring Plan	60.50	28.60

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	On major juncation

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Parking details:	**Number and area of basement:**	Existing buildings total stilt floor area: 7080 sq m
	Number and area of podia:	-
	Total Parking area:	About 10970 sq m including MLCP area of the existing buildings
	Area per car:	As per norms
	Area per car:	As per norms
	Number of 2-Wheelers as approved by competent authority:	As per norms - two wheeler parking spaces are earmarked at surface level
	Number of 4-Wheelers as approved by competent authority:	As per MIDC norms
	Public Transport:	Available and utlized
	Width of all Internal roads (m):	As per MIDC norms
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	B
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-12-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

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Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 2,72,979 m2 and total BUA of 490328 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B1.

DECISION OF SEAC

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Committee informed PP to use **model TOR** available on the web site of MoEF&CC in **addition to the points mentioned below** for carrying out EIA studies:

1. (K) PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF&CC circular dt. 01.05.2018, along with details of fund utilization & agreement or consent of executor.

2. (K) PP to submit disaster management plan.

3. (V) PP to carry out Traffic Impact Study in detail including,

   1. Traffic Management Plan for the development – Internal circulation with road width should be revised with showing clear road width of 6 meters and turning radius of 9 meters; PP to submit cross section of roads at four places showing clear road width 6 meter , 1.5 meter distance left from building line, spaces left for plantation, footpath, service lines etc

   2. Traffic Volume Counts and Turning Movement Counts on all the external surrounding roads of the proposed project showing the time period taken & revise table to be submitted.

   3. Topographic details of roads and intersection of the surrounding roads where counts are taken, actual geometry on ground to be shown with dimensions..

   4. Traffic generation values of similar development to be given by actual count by actual count as support data for assumption made to the particular project.

   5. PP to revise parking table mentioning parking as per DCR & parking provided actually.

   6. PP to submit drawing& sketches showing junction larger scale with geometry & showing traffic counts in detail and volume diagram.

4. (V) PP to submit Fire Tender Movement Plan showing clear road width of 6 meters and turning radius of 9 meters ; PP to submit cross section of roads at four places including UGT , OWC and DG set location showing clear road width 6 meter, 1.5 meter distance left from building line & spaces left for plantation, parking, service lines, foot paths, etc.

5. (V) PP to submit parking layout plan for all the floors showing slope and width of the ramps.

6. (G) PP to submit cross section of all buildings.

7. (V) PP to submit parking area statement as per DCR.

8. (V) PP to submit cross section of basement showing width and slope of ramp.

9. (V) PP to submit details of basement parking.

10. (V) PP to prepare consolidated report on traffic and vehicular pollution as a single chapter in EIA.

11. (G) PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra. PP to submit Architect's certificate regarding construction work carried out till date on site if any.

12. (G) PP to submit comparative statement of components approved and components constructed as per earlier EC and proposed development.

13. (G) PP to submit site specific executable and auditable EMP along with implementation plan and environmental management cell provision for construction and operation phase in EIA.

14. (G) PP to indicate HT wires on the plot.

15. (G) PP to submit detail debris management plan; PP should not remove the debris haphazardly & dump it on road side.

16. (G) PP to submit socio-economic infrastructure details including public transport arrangements on the site; PP to mention details of socio-economic in EIA.PP to correct socio-economic infrastructure details Consolidate Statement as per earlier EC.

17. (G) PP to provide required amenities within layout as per the planning standards if the existing amenities within the vicinity of plot are inadequate to cater the need of the locality.

18. (G) PP to submit phase wise development plan considering wind rose diagram.

19. (G) PP to submit details hydro geological survey report with graphs & data.

20. (G) PP to submit layout showing natural water courses on site; PP to submit total runoff calculation before and after development.

21. (G) PP to submit all copies of permissions granted by State Government in tabular and chronological form.

22. (G) PP to submit plan showing HFL.

23. (G) PP to submit specific NOC for supply of water for entire project by Irrigation Department.

24. (J) PP to submit internal storm water drain and sewer line arrangements up to final disposal point.

25. (B) PP to include carbon footprint estimations for operation & construction phase in EIA report.

26. (B) PP to carry out fugitive dust monitoring by using local meteorological data.

27. (B) PP to submit waste management plan details with its transport, collection, storage and disposal for all types of wastes like hazardous waste, non-hazardous waste, solid waste, E– waste, and debris/excess earth etc.; PP to submit OWC details.

28. (B) PP to submit details of design of all STP's along with BOD load, oxygen requirement calculations and sizing of the tanks with respect to the design criteria. PP to submit detailed calculation for the disinfection of the treated STP water; PP to submit cross sectional drawing of STP's showing dimensions and ground level; PP to provide ozonation for tertiary treatment. PP to mark the area required for all STP's on master layout with dimensions

29. (B) PP to identify sources of air pollution, PP to include mitigation measures to reduce Air pollution/Noise pollution.

30. (B) PP to carry out gate mass balance analysis for environmental parameters related to solid/liquid waste material coming to site, waste generated and its treatment and disposal from site.

31. (B) PP to explore possibility to install air monitoring station on site during construction as well as operation phase for ambient air quality monitoring.

32. (D) PP to submit undertaking to provide DG set backup to all Pollution Control Devices, Water Supply, Emergency Services including emergency lifts, etc.

33. (D) PP to include separate chapter on Renewable energy in EIA report. PP to submit terrace plan for installing solar panels& calculations of energy saving; PP to submit energy modelling with write-up support to this.

34. (T) PP to obtain and submit following NOC's: a) CFO NOC, b)Water supply NOC with quantity, c) Drainage NOC, d) Non-biodegradable waste disposal.

35. (T) PP to submit affidavit mentioning no occupancy will be given till sustained water supply to the project.

36. (T) PP to include condition of "maintenance of all Pollution Control Equipment's and functioning of Environment Monitoring Cell in their MoU with society.

37. (C) PP to provide mandatory RG area on virgin land and submit the drawing with calculations. PP to ensure that entire mandatory RG shall be provided on the plot where residential buildings are proposed.

38. (C) PP to plant trees which help to increase biodiversity in the premises like fruit bearing trees etc., and insure that no trees/ shrubs that cause allergies to the residents, are planted.

*After deliberation, Committee asked PP to submit **EIA report** including all above **ToR points** for further discussion and consideration of SEAC. PP requested for time to submit above information.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

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90 SEAC-3 meeting Day 03

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Environment Clearance for "Proposed Residential And Commercial Development" by M/s. J N Builders

Is a Violation Case: No

1.Name of Project	"Proposed Residential And Commercial Development" at Sr. No. 27/4/2 & 27/4/3, Punawale by M/s. J N Builders
2.Type of institution	Private
3.Name of Project Proponent	M/s. J N Builders through Mr. Govind Devnani
4.Name of Consultant	M/s. Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	Residential development with convenience shops
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Sr. No. 27/4/2 & 27/4/3 at Village - Punawale, Taluka - Mulshi, District - Pune, State - Maharashtra - 411033
9.Taluka	Mulshi
10.Village	Punawale
Correspondence Name:	M/s. J N Builders through Mr. Govind Devnani
Room Number:	Survey no 108/3
Floor:	-
Building Name:	-
Road/Street Name:	Vijay Nagar , Near Nirankari Bhawan
Locality:	Kalewadi
City:	Rahatani, Pune
11.Whether in Corporation / Municipal / other area	Pimpri Chinchwad Municipal Corporation (PCMC)
12.IOD/IOA/Concession/Plan Approval Number	Building sanction vide no. B.P/ENV/ Punawale/07/2019 dated 09.05.2019 received from Pimpri Chinchwad Municipal Corporation (PCMC)
	IOD/IOA/Concession/Plan Approval Number: B.P/ENV/ Punawale/07/2019 dated 09.05.2019
	Approved Built-up Area: 28928.27
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	8208.00 sq.mt.
16.Deductions	1709.76 sq.mt.
17.Net Plot area	6498.24 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12220.78 sq.mt.
	b) Non FSI area (sq. m.): 16707.49 sq.mt.
	c) Total BUA area (sq. m.): 28928.27
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12220.78 sq.mt.
	Approved Non FSI area (sq. m.): 16707.49 sq.mt.
	Date of Approval: 09-05-2019
19.Total ground coverage (m2)	1622.20
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36%
21.Estimated cost of the project	700000000

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22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building A	B+G/P+11	35.90
2	Building B	B+G/P+11	35.90
3	Club House	G+1	6.45

23.Number of tenants and shops	Residential – 219 Nos. Commercial complex – 53 Shops
24.Number of expected residents / users	Residential: 1095 Nos. ; Commercial: 314 Nos. ; Total : 1409 Nos.
25.Tenant density per hectare	267 tenant/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Not applicable
30.Details of the demolition with disposal (If applicable)	Not applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	104
	Recycled water - Flushing (CMD):	58
	Recycled water - Gardening (CMD):	04
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	166
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	89
Wet season:	**Source of water**	Pimpri Chinchwad Municipal Corporation (PCMC)
	Fresh water (CMD):	104
	Recycled water - Flushing (CMD):	58
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	162
	Fire fighting - Underground water tank(CMD):	100
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	93
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	a. Summer Season – 22.00 m. to 26.00 m. BGL. (24.00 M. Average); b. Rainy Season – 7.67 m. to 13.00 BGL.(10.34 M. Average) & c. Winter Season – 14.84 m. to 19.50 m. BGL. (17.17 M. Average)
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	06 Nos.
	Size of recharge pits :	(a) 1.5 m. X 1.5 m. X 1.5 m. with 6" Dia. 45 to 60 m. deep bore well via 1 no. of 0.9 m. dia. 1.0 m. deep de-siltation pit for roof top run off. (4 No.) & (b) 2.0 m. X 2.0 m. X 1.5 m. with 6" dia. 45 to 60 m. deep bore well via 2o. of 0.9 m. dia. 1.0 m. deep de-siltation pits for surface run off. (2 No.)
	Budgetary allocation (Capital cost) :	7.50 Lakhs
	Budgetary allocation (O & M cost) :	0.30 lakhs per annum
	Details of UGT tanks if any :	Residential & Commercial: Domestic UG tank Capacity: 184 CUM Flushing UG tank Capacity: 88 CUM Fire UG tank Capacity: 100 CUM
35.Storm water drainage	**Natural water drainage pattern:**	South West To North East
	Quantity of storm water:	3,885.78 m3 / year i.e. 77.72 m3 / day
	Size of SWD:	300 mm
Sewage and Waste water	**Sewage generation in KLD:**	152
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. X 170 KLD
	Location & area of the STP:	Area - 109 sq.mt.
	Budgetary allocation (Capital cost):	20.50 Lakhs
	Budgetary allocation (O & M cost):	0.70 Lakhs per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	9870 kgs/day
	Disposal of the construction waste debris:	Topsoil to be preserved & remaining will be used for back filling
Waste generation in the operation Phase:	**Dry waste:**	278 kg/day
	Wet waste:	368 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	22.54 kgs/day
	Others if any:	E waste - 938 kgs/year i.e. 2.56 kgs/day

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recyclers (SWaCH)
	Wet waste:	Will be converted to compost using OWC
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	E waste - Will be handed over to authorized recyclers (SWaCH)
Area requirement:	**Location(s):**	Near Building 'A'
	Area for the storage of waste & other material:	16 sq.mt.
	Area for machinery:	10 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.59 Lakhs
	O & M cost:	5.50 Lakhs per annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

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43.Green Belt Development	**Total RG area :**	649.99 sq.mt.
	No of trees to be cut :	03
	Number of trees to be planted :	86
	List of proposed native trees :	Listed below
	Timeline for completion of plantation :	Till project completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	06	Large evergreen, dense, shady tree, medicine, fruit is edible
2	Spathodea campanulata	African tulip	06	Attractive to birds, flowering shady tree
3	Tabebuia	Roble	06	Large flowering tree, attractive to birds
4	Swietenia macrophylla	Mohogani	07	Beautiful, shady tree
5	Terminalia mantaly	Madagascar almond	11	Evergreen tree, shady tree
6	Anthocephalus cadamba	Kadamba	08	Genius of flowers plants
7	Millingtonia hortensis	Buch	08	Fragrance and flowering tree, attractive to birds
8	Pongamia pinnata	Pongam tree	11	Beautiful pink flowering tree
9	Michelia champaka	Sonchapa	06	Beautiful long lasting flowers
10	Nyctanthes arbor-tristis	Parijat	06	Beautiful log lasting flowers having beautiful smell
11	Mangifera indica	Mango	06	Large fruit giving tree (mango tree)
12	Erythrina stricta	Coral tree	05	Large flowering tree, attractive to birds
13	Total	-	86 Nos.	-
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	40 kVA x 1 No.
	During Operation phase (Connected load):	1142 kW
	During Operation phase (Demand load):	545 kW
	Transformer:	1 No. X 630 kVA
	DG set as Power back-up during operation phase:	1 No. X 125 kVA
	Fuel used:	Diesel Quantity: 21.6 lit./hr. @ 75% Loading
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

• High efficiency transformer motors etc. to reduce losses.
• Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Against Conventional Base Case - Better Envelope Design, Lower Lighting Loads, Efficient Air Conditioning System & Efficient Pumps and Motors, Solar Hot Water	573708 kWh per annum (22.48%)
2	Solar PV System	15000 kWh per annum (1.8 % of demand load)
3	Total	588708 kWh per annum (22.48%)
4	Against ECBC Base Case - Better Envelope Design, Lower Lighting Loads, Efficient Air Conditioning System & Efficient Pumps and Motors	49000 kWh (1.92%) energy saved as per ECBC 2007 (Residential Buildings) Base Case. 7000 kWh (3.50%) energy saved as per ECBC 2017 (Commercial Buildings) Base Case.

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
D.G Set	-	1 No. X 125 kVA
STP	-	1 No. X 170 KLD
OWC	-	1 No.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	29.00 Lakhs
	O & M cost:	0.06 Lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air & Noise Environment	Water For Dust Suppression	0.09
2	Air & Noise Environment	Air & Noise monitoring	0.10
3	Water Environment	Tanker water for construction & worker	1.25
4	Water Environment	Water monitoring	0.08
5	Land Environment	Labour toilets 4 Nos. Cleaning 12,500 Rs./month. No. of workers - 40	0.50
6	Biological Environment	Gardening & Excavation	4.20
7	Socio-economic Environment	Disinfection at site	0.30
8	Socio-economic Environment	Safety, First Aid, Health Hygiene Facilities/ Health Check Up	0.60
9	Socio-economic Environment	Crèches for children	2.40
10	Socio-economic Environment	Personal Protective Equipment	1.20
11	Total	-	10.72

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 No. of 170 KLD	20.50	0.70
2	Rain Water Harvesting	06 no. of recharge pits	7.50	0.30
3	Environmental Monitoring	As per MoEF guidelines	-	0.60
4	Gardening	Plantation of native plants	5.25	2.0
5	Solid waste	1 No. of OWC	11.59	5.50
6	Energy	Energy Saving Measures	29	0.06
7	Disaster Management Plan	DMP cost	92.50	23.38
8	Total	-	166.34	32.54

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

SEAC-AGENDA-0000000293

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 Nos. of junctions
Parking details:	**Number and area of basement:**	1 No. and area - 2357.00 sq.mt.
	Number and area of podia:	Not applicable
	Total Parking area:	Basement - 2357.00 sq.mt.; Ground floor - 1899.11 sq.mt. ; 1st Floor - 759.59 sq.mt. Total - 5015.70 sq.mt.
	Area per car:	12.50 sq.mt.
	Area per car:	12.50 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	522 Nos.
	Number of 4-Wheelers as approved by competent authority:	138 Nos.
	Public Transport:	Koyte Vasti Bus Stop - 1.25 Km
	Width of all Internal roads (m):	6.00 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

SEAC-AGENDA-0000000293

Environmental Impacts of the project	Satisfactory.
Water Budget	Satisfactory.
Waste Water Treatment	Satisfactory.
Drainage pattern of the project	Satisfactory.
Ground water parameters	Satisfactory.
Solid Waste Management	Satisfactory.
Air Quality & Noise Level issues	Satisfactory.
Energy Management	Satisfactory.
Traffic circulation system and risk assessment	Satisfactory.
Landscape Plan	Satisfactory.
Disaster management system and risk assessment	Satisfactory.
Socioeconomic impact assessment	Satisfactory.
Environmental Management Plan	Satisfactory.
Any other issues related to environmental sustainability	Satisfactory.

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 8208 m2, FSI area of 12220.78 m2, Non FSI area of 16707.49 m2 and total BUA of 28928.27 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

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DECISION OF SEAC

During discussion following points emerged:

1. The Committee noted that regarding sewage disposal, PCMC has given permission mentioning "??????? ????????????? ???? ???????? ???????? ?????? ??????? ?????????? ??????? (SWD) ???????? ?. ????????? ????????????? ????????????? ???????? ????". This permission of PCMC is totally against environment. Environment Department to take up the issue to PCMC and instruct PCMC to give proper permissions.

*SEAC decided to **recommend** the proposal for prior environmental Clearance, subject to PP complying with the above conditions.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

SEAC-AGENDA-0000000293

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Environment Clearance for residential and Commercial Construction Project

Is a Violation Case: No

1.Name of Project	Kamalraj Haridwar
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kamlesh K. Gandhi
4.Name of Consultant	Appointment of consultant is in Process
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion (Due to plot amalgamation)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.NO:82/5 (P) , 82/5/9 (P) 82/7 (P) Alandi Road Dighi , Pune-411015
9.Taluka	Haveli
10.Village	DIGHI, PUNE
Correspondence Name:	Mr. Kamlesh K. Gandhi
Room Number:	B- 201-202
Floor:	2nd floor
Building Name:	Kamalraj Haridwar
Road/Street Name:	S.No.82/7 (P) , Dighi- Alandi Road
Locality:	Walkenagar , Dighi
City:	Pune
11.Whether in Corporation / Municipal / other area	PCMC
12.IOD/IOA/Concession/Plan Approval Number	BP/ENVIRONMENT/DIGHI/01/2019 DATED 11/04/2019
	IOD/IOA/Concession/Plan Approval Number: BP/ENVIRONMENT/DIGHI/01/2019 DATED 11/04/2019
	Approved Built-up Area: 23420.21
13.Note on the initiated work (If applicable)	Total B.U.A. 19421.25
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7790.65
16.Deductions	574.00
17.Net Plot area	6494.988
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 11231.90
	b) Non FSI area (sq. m.): 12188.31
	c) Total BUA area (sq. m.): 23420.21
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 11231.90
	Approved Non FSI area (sq. m.): 12188.31
	Date of Approval: 11-04-2019
19.Total ground coverage (m2)	1034.55 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	26%
21.Estimated cost of the project	330000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A	2P + 11	32.17
2	B	2P + 11	32.17
3	C	P/G + 9	30.65
4	Commercial (C Building)	G + 3	14.95

23.Number of tenants and shops	Tenements:180 Shops: 03 Convenience Shops:- 05 Offices:- 28
24.Number of expected residents / users	Residential – 900 Commercial - 475
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60.00 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	A Building- 2P + 11 B Building- 2P +11 C Building- P+2-RCC only (Total Constructed area:- 19.421.25 sq. m.)
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	**Source of water**	PCMC
	Fresh water (CMD):	93.00 m3/day
	Recycled water - Flushing (CMD):	50.00 m3/day
	Recycled water - Gardening (CMD):	4.00 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	147.00 m3/day
	Fire fighting - Underground water tank(CMD):	100 m3/day
	Fire fighting - Overhead water tank(CMD):	60 cum
	Excess treated water	75 m3/day
Wet season:	**Source of water**	PCMC
	Fresh water (CMD):	93.00 m3/day
	Recycled water - Flushing (CMD):	50.00 m3/day
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	143.00 m3/day
	Fire fighting - Underground water tank(CMD):	100 m3/day
	Fire fighting - Overhead water tank(CMD):	60 cum
	Excess treated water	78.59 m3/day
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	87.75	55.15	142.9	8.775	5.515	14.29	78.975	49.635	128.61
Gardening	--	--	4.826	--	--	4.826	--	--	00

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post Monsoon (8-10 m)
	Size and no of RWH tank(s) and Quantity:	2.0 x 2.0 x 3.0 , 5
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	5
	Size of recharge pits :	2.0 x 2.0 x 3.0
	Budgetary allocation (Capital cost) :	3.75 Lakh
	Budgetary allocation (O & M cost) :	0.19 Lakh
	Details of UGT tanks if any :	For A& B Building Domestic UG tank Capacity: 90 m3/ Fire UG tank Capacity: - 50 m3 Flushing UG tank Capacity near STP: 35 m3 For Building C Domestic UG tank Capacity: 60 m3 Fire UG tank Capacity: - 50 m3 Flushing UG tank Capacity near STP: - 21 m3
35.Storm water drainage	**Natural water drainage pattern:**	As per Contour
	Quantity of storm water:	467.439 m3/day
	Size of SWD:	450 MM
Sewage and Waste water	**Sewage generation in KLD:**	129 m3/day
	STP technology:	Photochemical Oxidation
	Capacity of STP (CMD):	1 No. of STP having capacity of 130
	Location & area of the STP:	At ground level of A building near open space
	Budgetary allocation (Capital cost):	26 Lakh
	Budgetary allocation (O & M cost):	4 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1 % of raw Material
	Disposal of the construction waste debris:	Construction waste will be reused for internal road leveling
Waste generation in the operation Phase:	**Dry waste:**	180 kg/day
	Wet waste:	270 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Authorised Vendor
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Plan Enclosed
	Area for the storage of waste & other material:	8 m2
	Area for machinery:	31 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	13 Lakh
	O & M cost:	3 Lakh

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	BOD	mg/l	250-400	=10	Not to exceed 10 mg/lit
2	COD	mg/l	450-600	=20	Not to exceed 100mg/lit
3	TSS	mg/l	250-300	=10	Not to exceed 50 mg/lit
4	pH	--	6.0-8.0	= 7.5	--
5	Oil & Grease	mg/l	10	= 5	--
6	Fecal Coli form	MPN/100 ml	10000000- 100000000	=100	--
7	TKN	mg/l	10-50	4-5	--
8	Phosphate	mg/l	10-50	1-4	--

Amount of effluent generation (CMD):	Not applicable
Capacity of the ETP:	Not applicable
Amount of treated effluent recycled :	Not applicable
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	Not applicable
Disposal of the ETP sludge	Not applicable

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	125 KVA DG. Set	Diesel and 23 Litr.	1	6.23 Mtr.	4 inch	500 C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		
42.Mode of Transportation of fuel to site		Not applicable		

43.Green Belt Development	**Total RG area :**	721.67 sq.m.
	No of trees to be cut :	NA
	Number of trees to be planted :	99
	List of proposed native trees :	As per below list
	Timeline for completion of plantation :	2 or 3 Yrs

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebek	Shirish	05	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds)
2	Cassia fistula	Bahava	07	Medicinal value, Drought tolerant species, Very ornamental, Well flowering plant, Honey bee attracting species, Host plant for Butterfly.
3	Bauhinia blackiana	Kanchanraj	18	Every part of the plant is medicinal, Drought tolerant species.
4	Anthocephalus kadamba	Kadamb	05	Medicinal value, To control soil erosion, Birds, squirrels, monkey eat fruits.
5	Azardirachta indica	Neem	05	Medicinal value, To control soil erosion. To improve soil erosion
6	Bauhinia purpurea	Gulabi kanchan	05	Every part of the plant is medicinal, Drought tolerant species.
7	Ficus microcarpa	Nandruk	05	Medicinal value, Bird attracting species, Drought tolerant species, Hardy plant.
8	Mimusops elengi	Bakul	13	Fragrant flowers, Medicinal value, To control soil erosion.
9	Pongamia pinnata	Karanj	05	Medicinal value, Drought tolerant species, To control soil erosion, Hardy plant.

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10	Michelia champaca	Sonchafa	09	Medicinal value, Fragrant flowers, Butterfly larvae host plant, Bird attracting species, Fast growing.
11	Nyctanthus arbotritrits	Parijatak	10	Fragrant flowers, Medicinal value
12	Schleichera oleosa	Kusum	05	Medicinal value, Native species.
13	Roystonia Regia	Bottle palm	07	Ornamental tree ,Medicinal value, Bird attracting species
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	1 X 40 KVA
	During Operation phase (Connected load):	1072 KW (1191 KVA)
	During Operation phase (Demand load):	620 KW (689 KVA)
	Transformer:	11 KV/630 KVA -1 No.
	DG set as Power back-up during operation phase:	125 KVA – 1 No
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

• Solar Water Heating Systems Will Be Done For Bathrooms.
• Solar lights will be provided for common amenities like Street lighting & Garden lighting.
• LED based lighting will be done in the common areas, landscape areas, signage's, Entry gates and boundary compound walls etc.
• Auto Timer Switches will be provided for Street lights, Garden lights, Parking & staircase Lights & Other Common Area Lights, for saving electrical energy.
• Water Level Controllers with Timers will be used for Water Pumps.
• To create awareness to end consumer or flat owner, for using energy efficient light fittings like T5 Lamps & LED Lights.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

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1	Total Annual Savings in KWH for Solar Power, Hot Water & Led Lighting	2975 KWH
2	Total	16.66 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Waste Water Generation	STP	---
Wet Garbage	--	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	28.40 Lakh
	O & M cost:	0.57 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust suppression measures & barricading	5.0
2	Site Safety	Nets, Barricade	3.0
3	Site Sanitation	Public Toilets	2.0
4	Disinfection & health Check up	For Labours	2.0
5	Environment Monitoring	STP, OWC	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	To treat waste water	26.00	4
2	Solid waste Management	To treat wet waste	13.0	3.0
3	Storm Water network	To collect rain water	18.0	0.36
4	Rain water Harvesting	To collect rain water	3.75	0.19
5	Landscape	To maintain greenary	12.06	1.93
6	Energy conservation measures	To save electrical energy	28.40	0.57
7	Environmental Monitoring	Air, water, Noise Monitoring	--	3.00

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation

SEAC-AGENDA-0000000293

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	01 no., area - 3557.10 sq.m
	Total Parking area:	6174
	Area per car:	30 sq. m.
	Area per car:	30 sq. m.
	Number of 2-Wheelers as approved by competent authority:	548
	Number of 4-Wheelers as approved by competent authority:	137
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

SEAC-AGENDA-0000000293

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 7790.65 m2, FSI area of 11231.90 m2, Non FSI area of 12188.31 m2 and total BUA of 23420.21 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

SEAC-AGENDA-0000000293

DECISION OF SEAC

During discussion following points emerged:

1. In CER, PP has proposed health check up and labour training activity. Pp to replace the same with some asset creation activity useful for public at large.

2. PP to submit details of internal storm water drain and sewage up to final disposal point.

3. PP to submit details of RWH for terrace rain water and surface water.

4. PP to submit details of environmental management plan.

5. PP to submit debris management plan including (a) debris required for refilling, (b) contour plan, (c) details of site where excess debris will be disposed, capacity of the site and NOC of plot owner. PP shall also ensure that debris disposed on other plot shall not be disposed on another plot. If to be disposed on another plot, the same shall be carried out as per prevailing environmental laws.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

SEAC-AGENDA-0000000203

SEAC Meeting number: 90 **Meeting Date** July 10, 2019

Subject: Environment Clearance for Proposed Construction of Residential & Commercial Project at S. No. 258 1/1, Khese Park, Lohegaon By Jain Construction under PMAY Scheme

Is a Violation Case: No

1.Name of Project	Proposed Construction of Residential & Commercial Project at S. No. 258 1/1, Khese Park, Lohegaon By Jain Construction under PMAY Scheme
2.Type of institution	Private
3.Name of Project Proponent	Mr. Suhas Alhat
4.Name of Consultant	MITCON Consultancy & Engineering Services Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	258 1/1
9.Taluka	Haveli
10.Village	Lohegaon
Correspondence Name:	Mr. Suhas Alhat
Room Number:	NA
Floor:	Level VII
Building Name:	Muttha Chambers II
Road/Street Name:	Senapati Bapat Marg
Locality:	Senapati Bapat Marg
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Plans not yet sanctioned
	IOD/IOA/Concession/Plan Approval Number: Plans not yet sanctioned
	Approved Built-up Area: 38628.52
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plans not yet sanctioned
15.Total Plot Area (sq. m.)	24950.0
16.Deductions	12409.52
17.Net Plot area	12540.48
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 19049.24
	b) Non FSI area (sq. m.): 19579.28
	c) Total BUA area (sq. m.): 38628.52
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 19049.24
	Approved Non FSI area (sq. m.): 19579.28
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	4749.34
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.03 %
21.Estimated cost of the project	726000000

22.Number of buildings & its configuration

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A1	LG + UG + 6 Floors	21.55
2	Wing A2	LG + UG + 6 Floors	21.55
3	Wing A3	LG + UG + 6 Floors	21.55
4	Wing A4	LG + UG + 6 Floors	21.55
5	Wing A5	LG + UG + 6 Floors	21.55
6	Wing A6	LG + UG + 6 Floors	21.55
7	Wing A7	LG + UG + 6 Floors	21.55
8	Wing A8	LG + UG + 6 Floors	21.55
9	Wing A9	LG + UG + 6 Floors	21.55
10	Wing A10	LG + UG + 6 Floors	21.55
11	Wing A11	LG + UG + 6 Floors	21.55
12	Wing A12	LG + UG + 6 Floors	21.55
13	Wing A13	LG + UG + 6 Floors	21.55
14	Wing 14: MHADA	LG + Shops Floor + 6 Floors	21.55
15	Wing 15: MHADA	LG + Shops Floor + 6 Floors	21.55

23.Number of tenants and shops	Residential Tenements: 360, Shops: 12 Nos.
24.Number of expected residents / users	Residential: 1800, Commercial: 145, Total: 1945
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

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Dry season:	Source of water	PMC
	Fresh water (CMD):	238
	Recycled water - Flushing (CMD):	85
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	250
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	153
Wet season:	Source of water	PMC
	Fresh water (CMD):	238
	Recycled water - Flushing (CMD):	85
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	250
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	165
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	238	238	0	11.9	11.9	0	226.1	226.1
Gardening	0	12	12	0	12	12	0	0	0
Fresh water requirement	0	238	238	0	11.9	11.9	0	226.1	226.1

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	As per Hydrogeo Report
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 Nos.
	Size of recharge pits :	2mx2mx2m(D)
	Budgetary allocation (Capital cost) :	1.8 Lakhs
	Budgetary allocation (O & M cost) :	0.36 Lakhs/annum
	Details of UGT tanks if any :	1. Domestic tank: 247 cmd 2. Fire Fighting: 150 cmd 3. Flushing Tank Near STP: 81 cmd
35.Storm water drainage	**Natural water drainage pattern:**	Slope is from North to South direction
	Quantity of storm water:	423 m3/hr
	Size of SWD:	450x450 mm
Sewage and Waste water	**Sewage generation in KLD:**	226.1
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. x 240 cmd
	Location & area of the STP:	South side of A1 Building
	Budgetary allocation (Capital cost):	45 Lakhs
	Budgetary allocation (O & M cost):	4.5 Lakhs/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Domestic Waste: 30 Kg/d
	Disposal of the construction waste debris:	Will be used for site leveling & back filing
Waste generation in the operation Phase:	**Dry waste:**	229.0 Kg/d
	Wet waste:	535.0 Kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	22.6 Kg/d
	Others if any:	E Waste: 194.5 Kg/yr.

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Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized recycler
	Wet waste:	Will be composted on site in OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be composted on site
	Others if any:	E Waste Will be handed over to authorized recycler
Area requirement:	**Location(s):**	South side of A1 Building
	Area for the storage of waste & other material:	20.0 Sq. m.
	Area for machinery:	25.0 Sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	15.0 Lakhs
	O & M cost:	2.0 Lakhs/yr

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set	Diesel: 28.8 Lit./hr.	2	2.5	0.2	150 degree Celsius

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	0	28.8 lit/hr.	28.8 lit/hr.
41.Source of Fuel		Local Vendor		
42.Mode of Transportation of fuel to site		By Road		

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43.Green Belt Development	**Total RG area :**	1254.04 Sq. m.
	No of trees to be cut :	0
	Number of trees to be planted :	157
	List of proposed native trees :	Attached as below
	Timeline for completion of plantation :	Within 1 year after completion

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Simarouba glauca	Laxmi Taru	20	Tall tree, Medicinal, use as timber
2	Ailathus excelsa	Maharukh	20	Large tree, good for roadside plantation
3	Cassia fistula	Bahava	20	Small fast-growing, firewood, livestock fodder
4	Roystonea regia	Royal palm	20	Ornamental, The fruit is eaten by birds and bats
5	Dalbergia sissoo	Sissoo	20	Medium to large deciduous tree, timber tree
6	Bauhnia purpurea	Butterfly tree	20	Small to medium-sized deciduous fast growing
7	Lagerstroemia speciosa	Pride of India	20	Deciduous plant, popular garden and park plant
8	Mangifera Indica	Mango	10	Fruit Bearing
9	Psidium guajava	Peru	07	Fruit Bearing
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

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Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	30 KW
	DG set as Power back-up during construction phase	1 No. x 40 KVA
	During Operation phase (Connected load):	1478 KW
	During Operation phase (Demand load):	811 KW
	Transformer:	630 KVA – 2 Nos.
	DG set as Power back-up during operation phase:	1 No. x 160 KVA for Project & 1 No. x 20 KVA for MHADA Building
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Generally we have proposed high efficiency transformer, motors etc. to reduce losses.
2. Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.
3. Total of all Savings for (per year) - 217395 KWH / Annum (20 %)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Generally we have proposed high efficiency transformer, motors etc. to reduce losses. 2. Electronic Ballasts and Energy efficient lamp source either triposphere or LED are proposed for common area & general lighting with automatic time based control to save power by switching ON & OFF the lights at appropriate time. The estimated saving in common lighting consumption is up to 20 % due to adopting above measures.	217395 KWH / Annum (20 %)

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
DG Set	Not applicable	Stack & Acoustic Enclosure

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	45 Lacs
	O & M cost:	0.90 Lacs / Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)

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1	Air	Water for Dust Suppression and barricading top soil preservation	2.0
2	Sanitation	Site Sanitation & Toilets	1.2
3	Environmental Monitoring	Air, water, soil, noise	2.0
4	Health	Disinfection & Health Check ups	1.5
5	Safety	Labour safety equipments	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water	RWH	2.0	0.2
2	Waste water	STP	45.0	4.5
3	Solid waste	OWC	15.0	2.0
4	Plantation	Greenbelt/Landscape	2.5	1.0
5	Energy	Solar PV Panels & Water heating	45	0.9
6	Environment Monitoring	Air, water, soil, noise	0	3.5

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One

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Parking details:	**Number and area of basement:**	1 No. having 1865 Sq. m. area
	Number and area of podia:	NA
	Total Parking area:	13474.80 Sq. m.
	Area per car:	12.5 Sq. m.
	Area per car:	12.5 Sq. m.
	Number of 2-Wheelers as approved by competent authority:	Scooters: 2607, Cycles: 2042
	Number of 4-Wheelers as approved by competent authority:	916
	Public Transport:	Available
	Width of all Internal roads (m):	Min 6 m.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)- Building & Construction Projects
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

PP submitted their application for prior Environmental clearance for total plot area of 24950 m2, FSI area of 19049.24 m2, Non FSI area of 19579.28 m2 and total BUA of 38628.52 m2.

The case was discussed on the basis of the documents submitted and presentation made by the proponent. All issues relating to environment, including air, water, land, soil, ecology, biodiversity and social aspects were examined. The proposal is appraised as category 8(a)B2.

DECISION OF SEAC

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During discussion following points emerged:

1. In CER, PP has proposed for tree plantation. PP to increase number of trees to be planted along approach road towards project from 450 to 1400 numbers.

2. PP to submit detailed disaster management plan incorporating disaster management committee during and after construction.

3. PP to submit phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.

4. PP to submit details of internal storm water drain and sewage up to final disposal point.

5. PP to submit master layout superimposing all environmental parameters.

6. PP to submit UGT sections.

7. PP to obtain and submit following NOC's: (a) CFO NOC, (b) Water supply.

8. PP to submit energy saving calculations.

9. PP to submit survival report of existing trees. PP to submit plantation plan incorporating local native fruit bearing trees.

10. PP to obtain permission for nalla channelling.

PP requested for time to submit the information sought; after deliberations committee asked PP to ***comply*** *with the observations and submit information to the committee for further discussion and consideration of SEAC.*

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-III decided to defer the proposal.Kindly find SEAC decision above.

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